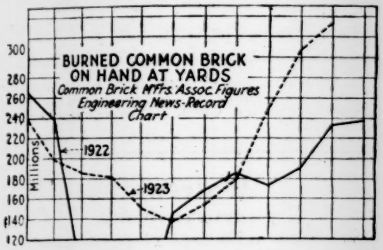
CONSTRUCTION NEWS

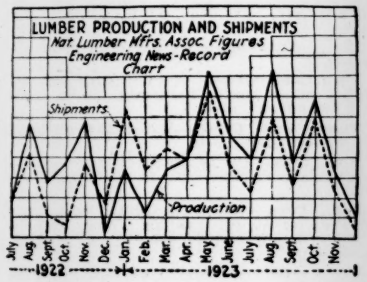
Engineering News-Record, January 24, 1924

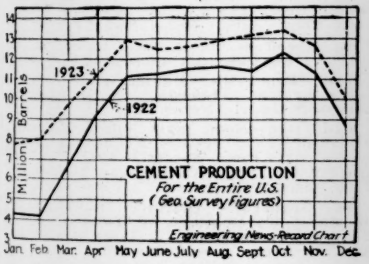
The Construction Barometer

Brick, Lumber, Cement Production Heavier Than Year Ago—Record Iron Ouput in 1923—Gain in Unfilled Steel Tonnage

ALTHOUGH the steel ingot output dropped nearly 9 per cent during December, the consequent rise of about 2 per cent in unfilled orders, on books of the U. S. Steel Corporation, was not entirely due to the slowing down in production. More active buying in iron, steel, lumber and other basic materials has been noted during the last three weeks. Structural steel bookings are unusually heavy but in this, as well as in most other materials, buying is conservative and confined to actual and immediate requirements. Production of cement and lumber is heavier than a year ago, and there are at least 44 per cent more burned brick on hand than at this time last year. The pig-iron output, however, is tending downward, owing to the recent slowness in demand.







Engineering News-Record Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Jan. 3	$10,163,000	$15,275,000	$25,438,000
Jan. 10	13,625,000	23,761,000	37,386,000
Jan. 17	9,074,000	28,657,000	37,731,000
3 weeks	$32,862,000	$67,693,000	$100,555,000

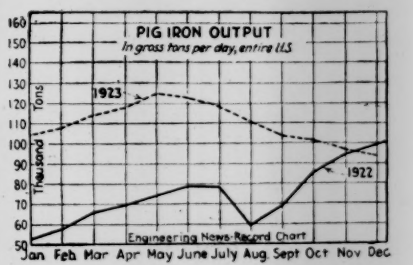
LARGE BUILDING CONTRACTS—NUMBER AND VALUE

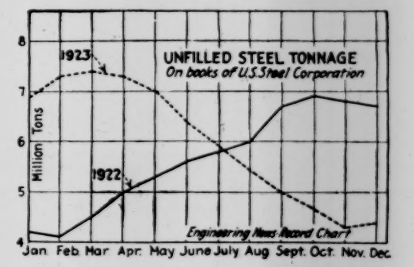
Week Ended	Public Work No.	Public Work	Private Work No.	Private Work
Jan. 3	10	$3,148,000	30	$11,480,000
Jan. 10	12	3,219,000	42	18,138,000
Jan. 17	9	2,551,000	38	20,232,000
3 weeks	31	$8,918,000	110	$49,850,000

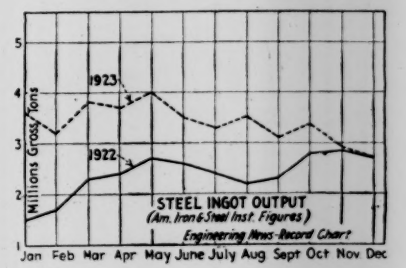
E. N.-R. CONSTRUCTION VOLUME INDEX NUMBER
(1913 = 100)

	1918	1919	1920	1921	1922	1923
Jan.	59*	41*	146*	41	91	126
Feb.	125	72	114	43	100	105
Mar.	74	43	107	88*	202*	195*
Apr.	50	83	142*	86	150	160
May	71*	85*	107	90	179	171*
June	90	108	74	117*	187*	148
July	99	137*	85*	90	118	128
Aug.	122*	116	65	94	154*	111*
Sept.	119	96	85*	114*	129	137
Oct.	70*	224*	73	109	127	127
Nov.	54	58	51	101	122*	125*
Dec.	24	35	58*	118*	111	101

* Five issues of *Engineering News-Record*.


PIG IRON OUTPUT
In gross tons per day, entire U.S.
Thousand Tons
1923
1922
Engineering News-Record Chart
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


UNFILLED STEEL TONNAGE
On books of U.S. Steel Corporation
Million Tons
1923
1922
Engineering News-Record Chart
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


STEEL INGOT OUTPUT
(Am. Iron & Steel Inst. Figures)
Engineering News-Record Chart
Millions Gross Tons
1923
1922
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Jan. 28	Detroit, Mich.	Jan. 24
Jan. 28	Beachhaven, N. J.	Jan. 24
Jan. 30	Greenville, S. C. Adv. Jan. 10 to 24.	Jan. 10
Jan. 30	North Wilkesboro, N. C.	Jan. 24
Jan. 30	Long Island City, N. Y.	Jan. 24
Jan. 31	Massachusetts	Jan. 10
Feb. 1	Phillips, Wis.	Jan. 10
Feb. 4	Denver, Colo. Adv. Jan. 17 and 24.	Jan. 17
Feb. 5	Ft. Wayne, Ind.	Jan. 24
Feb. 8	Goderich, Mich.	Jan. 24
Feb. 11	Fairmont, Okla. Adv. Jan. 10 to 24.	Jan. 17
Feb. 11	McKeesport, Pa. Adv. Jan. 17 and 24.	Jan. 17
Feb. 19	Bloomington, Ind. Adv. Jan. 24	Jan. 24
Feb. 19	Corsicana, Tex. Adv. Jan. 24.	Jan. 24
Feb. 20	San Francisco, Calif.	Jan. 24

SEWERS

Bids Close		See Eng. News-Record
Jan. 28	Wash., D. C. Adv. Jan. 24.	Jan. 24
Jan. 29	Muncie, Ind.	Jan. 24
Jan. 29	St. Paul, Minn.	Jan. 24
Jan. 30	Fostoria, O.	Jan. 3
Jan. 30	La Porte, Ind.	Jan. 24
Jan. 30	New York, N. Y.	Jan. 24
Feb. 1	Trenton, N. J.	Jan. 24
Feb. 5	Baton Rouge, La. Adv. Jan. 10 and 24.	Jan. 3
Feb. 5	Gallatin, Tenn	Jan. 17
Feb. 5	St. Louis, Mo.	Jan. 10
Feb. 6	Oelwein, Ia. Adv. Jan. 17 and 24.	Jan. 17
Feb. 11	Pleasantville, N. Y. Adv. Jan. 10 to 24.	Jan. 17
Feb. 12	Big Springs, Tex.	Jan. 24
Feb. 12	University (St. Louis P. O.), Mo.	Jan. 24
Feb. 12	Elizabethtown, Ky.	Jan. 17

BRIDGES

Bids Close		See Eng. News-Record
Jan. 28	New Jersey	Jan. 10
Jan. 28	Phila., Pa.	Jan. 24
Jan. 29	Missouri	Jan. 24
Feb. 1	Cambridge, O.	Jan. 17
Feb. 1	Georgia	Jan. 24
Feb. 4	California	Jan. 17
Feb. 5	Yankton, S. D.	Jan. 17
Feb. 5	Duluth, Minn.	Jan. 24
Feb. 8	Tennessee	Jan. 24

Bids Close		See Eng. News-Record
Feb. 11	Pembroke, Ont.	Jan. 24
Feb. 13	Phila., Pa. Adv. Jan. 17 and 24.	Jan. 17
Feb. 14	Mendota, Minn.	Jan. 24
Feb. 20	New York Adv. Jan. 17 and 24.	Jan. 17
Mar. 3	St. Paul, Minn.	Jan. 24
May 1	Tientsen, North China	Oct. 11

DAMS

Feb. 7	Kingston, N. C.	Dec. 27

RAILWAYS

Jan. 31	Texas	Jan. 24
Mar. 18	New Zealand	Sept. 20
Apr. 1	Indiana	Jan. 24

EXCAVATION, DRAINAGE IRRIGATION

Jan. 25	New York, N. Y.	Jan. 24
Jan. 29	St. Louis, Mo.	Jan. 3
Jan. 31	St. Catherines, Ont.	Jan. 17
Feb. 4	Minneapolis, Minn.	Jan. 10
Feb. 15	Morehead City, N. C. Adv. Jan. 17 and 24.	Jan. 24
Feb. 18	Tampa, Fla.	Jan. 24

STREETS AND ROADS

Jan. 28	New Jersey Adv. Jan. 10 to 24.	Jan. 10
Jan. 28	Akron, O.	Jan. 17
Jan. 28	New York, N. Y.	Jan. 24
Jan. 28	Long Island City, N. Y.	Jan. 24
Jan. 28	South Carolina	Jan. 24
Jan. 29	Missouri	Jan. 24
Jan. 29	Hibbing, Minn.	Jan. 17
Jan. 29	Uvalde, Tex.	Jan. 10
Jan. 29	Baton Rouge, La.	Jan. 3
Jan. 29	Virginia	Jan. 10
Jan. 29	Auburn, Neb.	Jan. 17
Jan. 29	Palo Pinto, Tex.	Jan. 17
Jan. 29	Bennettsville, S. C.	Jan. 24
Jan. 30	Michigan	Jan. 17
Jan. 30	Nevada	Jan. 17
Jan. 30	Baltimore, Md.	Jan. 24
Jan. 30	Kendallville, Ind.	Jan. 24
Jan. 30	Saluda, S. C.	Jan. 24
Jan. 30	New York, N. Y.	Jan. 24
Jan. 31	Laredo, Tex.	Jan. 17
Jan. 31	North Carolina Adv. Jan. 17 and 24.	Jan. 17
Jan. 31	Michigan	Jan. 17
Feb. 1	Winchester, Ind.	Jan. 17
Feb. 1	Charleston, W. Va.	Jan. 10
Feb. 1	Huntsville, Ala.	Jan. 24
Feb. 1	Cincinnati, O.	Jan. 24
Feb. 1	Des Moines, Ia.	Jan. 24
Feb. 2	Crawfordville, Fla. adv. Jan. 24	Jan. 24
Feb. 4	Burlingame, Calif.	Jan. 24
Feb. 4	Pacific Grove, Calif.	Jan. 24
Feb. 4	New Mexico	Jan. 17
Feb. 4	Newport, Ind.	Jan. 17
Feb. 4	Shoals, Ind.	Jan. 17
Feb. 4	Houston, Tex.	Jan. 24
Feb. 5	Leland, Miss.	Jan. 17
Feb. 5	New York Adv. Jan. 17 and 24.	Jan. 17
Feb. 5	Kosciusko, Ind.	Jan. 17
Feb. 5	Kendallville, Ind.	Jan. 24
Feb. 5	Toledo, O.	Jan. 24
Feb. 5	Stockton, Calif.	Jan. 24
Feb. 5	Wabash, Ind.	Jan. 24
Feb. 5	Indiana	Jan. 24
Feb. 6	Salina, Kan.	Jan. 24
Feb. 8	Boonville, Ind.	Jan. 24
Feb. 8	Nashville, Tenn.	Jan. 17
Feb. 8	Tennessee	Jan. 24
Feb. 11	Scottsburg, Ind.	Jan. 17
Feb. 14	Jasper, Ind.	Jan. 17
Feb. 15	Anniston, Ala.	Jan. 24
Feb. 18	New Philadelphia, O.	Jan. 24
Feb. 19	St. Louis, Mo.	Jan. 24
Feb. 28	Kenosha, Wis.	Jan. 17
Mar. 11	Washington	Jan. 10

INDUSTRIAL WORK

Jan. 28	Princeton, Ind.	Jan. 17
Jan. 30	Columbus, O.	Jan. 10
Jan. 31	Ray Brook, N. Y. Adv. Jan. 17 and 24.	Jan. 10
Feb. 1	Peoria, Ill.	Dec. 27
May 21	Wellington, New Zealand	Jan. 10

BUILDINGS

Jan. 25	Middleboro, Mass.	Jan. 24
Jan. 25	Phila., Pa.	Jan. 24
Jan. 26	Wallingford, Conn.	Jan. 17
Jan. 28	Algonac, Mich.	Jan. 17
Jan. 28	East Washington, Pa.	Jan. 24
Jan. 28	Wilmington, N. C.	Jan. 24
Jan. 28	Fayetteville, N. C.	Jan. 24
Jan. 29	Hickory, N. C.	Jan. 24
Jan. 29	Mt. Pleasant, Mich.	Jan. 24
Jan. 29	Santa Ana, Calif.	Jan. 24
Jan. 29	Indianapolis, Ind.	Jan. 24
Jan. 29	Midland Park, N. J.	Jan. 10
Jan. 29	Bloomington, Ind.	Jan. 10
Jan. 29	Lancaster, Wis.	Jan. 17
Jan. 29	St. Paul, Minn.	Jan. 24
Jan. 30	Vernon, Tex.	Jan. 10
Jan. 30	Millville, N. J.	Jan. 10
Jan. 30	Baltimore, Md.	Jan. 17
Jan. 30	Columbus, O.	Jan. 17
Jan. 30	Prairie du Sac, Wis.	Jan. 17
Jan. 31	Mayville, Wis.	Jan. 17
Jan. 31	Milwaukee, Wis.	Jan. 24
Feb. 1	Bordentown, N. J.	Jan. 24
Feb. 1	Oklahoma City, Okla.	Jan. 10
Feb. 1	Lambertville, N. J.	Jan. 10
Feb. 1	Dorchester, Mass.	Nov. 29
Feb. 1	Joliet, Ill.	Jan. 17
Feb. 1	Webster Groves, Mo.	Jan. 17
Feb. 1	Waterbury, Conn.	Jan. 17
Feb. 1	Baltimore, Md.	Jan. 24
Feb. 1	River Forest, Ill.	Jan. 24
Feb. 4	Rome, N. Y.	Jan. 10
Feb. 4	Urbana, Ill.	Dec. 13
Feb. 4	Columbus, O.	Dec. 27
Feb. 4	Wash., D. C.	Jan. 17
Feb. 4	St. Johns, Mich.	Jan. 24
Feb. 4	Los Angeles, Calif.	Jan. 24
Feb. 5	Baltimore, Md.	Jan. 24
Feb. 5	Coffeyville, Kan.	Jan. 24
Feb. 6	Huntington, W. Va. Adv. Jan. 10 to 24.	Jan. 17
Feb. 6	Marcy, N. Y. Adv. Jan. 24.	Jan. 24
Feb. 6	Amsterdam, N. Y.	Jan. 24
Feb. 7	Bellaire (Jamaica P. O.), N. Y.	Jan. 24
Feb. 7	Brooklyn, N. Y.	Jan. 24
Feb. 8	Phila., Pa.	Jan. 17
Feb. 8	Northfield, Minn.	Jan. 24
Feb. 8	Cedargrove, N. J.	Jan. 24
Feb. 10	Trenton, N. J.	Jan. 10
Feb. 11	Claymont, Ill.	Jan. 24
Feb. 13	Industry, N. Y. Adv. Jan. 17.	Jan. 17
Feb. 15	Waukegan, Ill.	Jan. 24
Feb. 20	Irvington (branch of Newark), N. J.	Jan. 24
Mar. 1	Akron, O.	Jan. 24

FEDERAL GOVERNMENT WORK

Jan. 26	Finding Tower—New York, N. Y. Adv. Jan. 17 and 24.	Jan. 17
Jan. 28	Snagboat—Wilmington, N. C. Adv. Jan. 3 to 24.	Jan. 3
Jan. 29	Extension—Kansas City, Mo.	Jan. 3
Jan. 29	Hard Wood Piles—Owensboro, Ky.	Jan. 24
Jan. 30	Ward—Great Lakes, Ill.	Nov. 15
Jan. 31	Extension — Haverhill, Mass.	Jan. 10
Feb. 1	Steel House—Wilmington, Del.	Jan. 10
Feb. 4	Hospital—Augusta, Ga.	Jan. 10
Feb. 4	Sand Pumps — Portland, Ore.	Jan. 24
Feb. 5	Steel Piling — Louisville, Ky.	Jan. 10
Feb. 5	Steel Piles—Wash., D. C.	Jan. 24
Feb. 5	Cranes—Florence, Ala. Adv. Jan. 24.	Jan. 24
Feb. 6	Storehouse—Pearl Harbor, H. T.	Dec. 20
Feb. 6	Jetty—Jacksonville, Fla. Adv. Jan. 24.	Jan. 24
Feb. 7	Steel Roof Trusses—Florence, Ala. Adv. Jan. 17 and 24.	Jan. 17
Feb. 8	Steel and Bolts—Owensboro, Ky.	Jan. 10
Feb. 11	Sub-Post Office—Memphis, Tenn.	Jan. 10
Feb. 11	Laundry — Northampton, Mass. Adv. Jan. 17 and 24.	Jan. 17
Feb. 11	Steel Castings, etc.—Louisville, Ky. Adv. Jan. 17 and 24.	Jan. 17
Feb. 12	Gasoline Hoist, etc.—Ketchikan, Alaska	Jan. 10
Feb. 12	Roof—Baltimore, Md. Adv. Jan. 24.	Jan. 24
Feb. 14	Stone—Portland, Ore. Adv. Jan. 17 and 24.	Jan. 17
Feb. 14	Breakwater — Gulfport, Miss. Adv. Jan. 24.	Jan. 24
Feb. 15	Kitchen and Mess Hall — Prescott, Ariz. Adv. Jan. 17 and 24.	Jan. 17
Feb. 15	Steel Forging, etc.—Owensboro, Ky.	Jan. 17
Feb. 20	Cement—Milwaukee, Wis.	Jan. 24
Feb. 20	Steel Bars—Milwaukee, Wis. Adv. Jan. 24.	Jan. 24
Feb. 25	Laundry—American Lake, Wash. Adv. Jan. 24.	Jan. 24
Mar. 1	Turbines—Florence, Ala. Adv. Jan. 17 and 24.	Jan. 17
Mar. 10	Stone—Humboldt Bay, Calif.	Jan. 24

UNCLASSIFIED

Jan. 25	Heating and Ventilating Apparatus—New York, N. Y.	Jan. 17
Jan. 28	Bulkhead—Bayonne, N. J.	Jan. 17
Jan. 28	Overhead Crossing—South Carolina	Jan. 24
Feb. 11	Transformers and Spares—Melbourne, Australia	Jan. 3
Feb. 14	Tower—New Orleans, La. Adv. Jan. 24.	Jan. 24
Mar. 31	Hopper Dredge — Brisbane, Queensland, Australia	Nov. 1
Apr. 30	Headworks—Wellington, New Zealand	Dec. 13

MATERIALS AND EQUIPMENT

Jan. 28	Lumber—Milwaukee, Wis.	Jan. 24
Jan. 28	Steam Roller—Long Island City, N. Y.	Jan. 24
Jan. 29	Cable Guard Rail, etc.—Trenton, N. J.	Jan. 17
Jan. 30	Crushed Stone, etc.—Baltimore, Md.	Jan. 24
Jan. 30	Asphaltic Cement, etc.—Long Island City, N. Y.	Jan. 24
Jan. 31	Concrete Mixer, etc.—Cape May, N. J. Adv. Jan. 24.	Jan. 24
Feb. 1	Crusher, Elevator, etc. — Oglesby, Ga.	Jan. 10
Feb. 4	Cletracs—Gilroy, Calif.	Jan. 17
Feb. 4	Shell—Houston, Tex.	Jan. 24
Feb. 5	Rock Asphalt—Pass Christian, Miss.	Jan. 24
Feb. 13	Pipe—Pierre, S. D.	Jan. 24

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

W. Va., Wheeling—Plans addition to filter plant incl. pump, addition to tank system, etc. $16,000. J. F. Laboon, city engr.

Fla., Auburndale — See "Streets and Roads."

Fla., Lake Alfred—Having plans and estimates made main, hydrants, 75 ft. tower and 60,000 gal. tank.

Tenn., Coal Creek—Voted $30,000 bonds for waterworks.

Ky., Clay—Plans water supply system. To exceed $15,000. A. E. Blackwell, city clk.

Ind., Peru—Water & Light Dept. plans addition to supply system. Work includes drilling 2 new wells. $15,000. B. F. Freeland, supt.

Ia., Carlisle—Defeated $35,000 bonds for waterworks system. New election later. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs. Noted Nov. 20.

Ia., Hazelton—Plans waterworks system. $20,000. Engineer not announced.

Kan., Brookville—Making plans waterworks system. $20,000. S. H. Sulentic, Ellsworth, engr. Noted Nov. 22.

Kan., Goff—Soon takes bids waterworks and distribution system. $24,000; sanitary sewers. $18,000. Shockley Eng. Co., 800 Graphic Art Bldg., Kansas City, Mo., engrs. Noted Sept. 27.

Mo., Norborne — Defeated $95,000 bonds for water works plant, distribution mains and sewerage system. J. P. Davis, Jefferson City, engr. Noted Dec. 20.

Tex., Dallas—Having plans prepared extending mains to Southern Methodist University and Highland Park West, 16 in. mains and smaller. $50,000. E. A. Kingsley, city engr.

Tex., Lockhart—Citizens Light & Water Co., having plans prepared water and sewer mains, and street lights. $75,000. Private plans.

Tex., Ranger—Voted $190,000 bonds to purchase present system and build additional mains and new filter plant. Elrod Eng. Co., 4124 Elm St., Dallas, engrs. Noted Nov. 1.

Okla., Apperson—Preparing plans waterworks system incl. well, motor driven triplex pumps, elevated tank, etc., 31,000 ft. 4- to 8-in. c.i. pipe. $70,000. Engineer not selected.

Okla., Newkirk—Plans new mains and feeder lines, 15,000 ft. 8- and 10-in. c.i. pipe. $30,000. Musson & Gayle, Grain Exch. Bldg., Oklahoma City, engrs.

Okla., Okemah—City takes bids about Feb. 1, waterworks, incl. dam and main extensions. $65,000 bonds voted. Holway Eng. Co., 505 Wright Bldg., Tulsa, engrs.

Waterworks (Continued)

Calif., Glendale—See Material and Equipment.

Calif., Pasadena—Taking bids furnishing and delivering water pipe required by city for 1924. To exceed $25,000. S. B. Morris, ch. engr.

Calif., Oroville—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, appropriated $50,000 for reservoir in hills east of Highland Park, here, in connection with water system.

Ont., North Bay—Voted $38,000 bonds extending waterworks, pumphouse and reservoir. F. G. Mackie, town engr.

BIDS DESIRED

N. Y., Long Island City—Jan. 30, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Hawtree Creek, Hasbrouck, Hutton and Meyer Rds., Lefferts Blvd., Ocean Ave., Gold, North, and Silver Sts., and across Jamaica Canal between Hawtree Creek Rd. and Ocean Ave., here.

N. J., Beach-haven—Jan. 28, by A. P. King, boro clk., 400 ft. vitr. and 500 ft. c.i. pipe, 17 x 27 ft. brick pumping station, electric motor driven centrifugal pumping machinery in 2 horizontal water lift units with 1 wet vacuum priming pump, 1 horizontal air compressor with 1 vertical air receiver on venturi meter register, 2 vertical sewage lift units, etc. W. H. Boardman, 426 Walnut St., Phila., engr.

N. C., North Wilkesboro — Jan. 30, by Mayor, 1 m.g. purification plant. Carolina Eng. Co., Wilmington, engrs. Noted Nov. 15.

Ind., Bloomington—Feb. 19 (extended date), at office of Bloomington Water Co., waterworks improvements, incl. dam, pumping station and pipe lines. U. S. Hanna, secy.; adv. E. N.-R. Jan. 24. Noted Jan. 3.

Ind., Ft. Wayne—Feb. 5, by W. G. Riethmiller, secy. Bd. Pub. Wks., furnishing 15 tons ¾-in., 10 tons ¾-in., 5 tons 1-in., 3 tons 1¼-in. and 2 tons 2-in. lead pipe; 150 tons 16-in., 40 tons 12-in., 320 tons 6-in. and 30 tons 4-in. Class B c.i. pipe with fittings, also option to purchase 70 tons 12-in. and 130 tons 6-in. additional; two 16-in., two 12-in., fifty 16-in. and twenty-five 4-in. hub end water gates.

Mich., Detroit—Jan. 28, by G. J. Finn, comr. Purchases & Supplies Dept., 710 Marquette Bldg., furnishing 11,311 tons of 6 and 8 in. c.i. pipe. G. H. Penkell, genl. mgr.

Wis., Madison—City c/o H. C. Buser, clk., taking bids furnishing and installing motor driven deep well pump together with all auxiliary devices for delivering not less than 1,200 gal. of water per minute against 80 lb. pressure at point of discharge. E. E. Parker, City Hall, engr.

Tex., Corsicana—Feb. 19, by J. Harper, city secy., concrete spillway and filter equipment. W. W. McClendon, city engr.; adv. E. N.-R. Jan. 24.

Calif., San Francisco — Feb. 20, by Bd. Pub. Pub. Wks. of City and Co. of San Francisco, flexible joint cast iron pipe, for submarine portions of Hetch Hetchy Aqueduct, (Hetch Hetchy Water Supply Contr. 30). M. M. O'Shaughnessy, city engr.; adv. E. N.-R. Jan. 24.

Ont., Goderich—Feb. 8, by W. T. Murney, chn. com., new intake pipe, 2,400 ft. c.i. pipe, 1,300 ft. steel intake pipe, intake well and crib $75,000. E. H. Darling, 47 Home Bank Bldg., Hamilton, engr.

BIDS RECEIVED

O., Cincinnati—Furnishing all 4, 6, 8 and 10 in. c.i. pipe to be laid during 1924, also special castings, from U. S. Cast Iron Pipe & Fdry. Co., Addyston, $55,000. Noted Jan. 17.

Wis., Milwaukee — Furnishing brass goods, from H. Mueller Mfg. Co., 434 West Cerro Gordo St., Decatur, Ill., one thousand ¾ in. corporation cocks $0.67 each, 1,500 ¾ in. $0.86, 1,000 ¾ in. curb cocks $0.71, 1,400 1 in. $1.03, 2,500 ¾ in. meter cocks $0.57, 2,500 ¾ in. $0.72, 5,000 ¾ in. meter couplings $0.15, 5,000 ¾ in. $0.23; from Michigan Valve & Fdry. Co., 3631 Parkinson St., Detroit, Mich., 100 more or less fire hydrants $82.50. Noted Jan. 10.

Calif., Sacramento—H. G. Denton, clk., furnishing and delivering 58,000 lin.ft. c.i. pipe from R. W. Kinney Co., 645 Howard St., San Francisco, 2,000 ft. 12 in. $2.20, 1,000 ft. 10 in. $1.70, 5,000 ft. 8 in. $1.235, 15,000 ft. 6 in. $0.855, for delivery as soon as possible, 30,000 ft. 6 in. $0.855, 2,000 ft. 8 in. $1.235, for delivery about June 1; 10,000 ft. 6 in. $0.855, 3,000 ft. 8 in. $1.235, about Sept. 1, 2,000 ft. 12 in. $2.20, 2,000 ft. 10 in. $1.70, 5,000 ft. 6 in. $0.855, about Dec. 1. All bids f.o.b. steamer landing, Sacramento. Noted Dec. 27.

CONTRACTS AWARDED

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Bedford, Livonia and Morgan Aves., here, to Grippo Contg. Co., $19,991. Noted Jan. 3.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Oak Point Ave., etc., to Beaver Eng. & Contg. Co., 51 Chambers St., $9,993; Brinsmade Ave., etc., to C. DeBlasio, 339 7th Ave., Mt. Vernon, $10,600. Noted Dec. 27.

Pa., North East—Boro. Council, rapid sand filtration plant, 1,200,000 gal. per day capacity, to G. Offenbacher, North East, equipment to International Filter Co., 333 West 25th Pl., Chicago, Ill., total bid $29,500; earth embankment dam of 17,500 cu.yd., for impounding reservoir, to W. H. Supplee, Erie, $18,850. Noted Dec. 27.

N. C., Laurinburg — Pumping station, filtering plant, reservoir, auxiliary station, laying pipe line, furnishing pumps, etc., to Tucker & Laxton, Realty Bldg., Charlotte, $100,000. Noted Nov. 22.

O., Cincinnati—For approximately 10,000 ft. 10 and 16 in. c.i. pipe, to U. S. Cast Iron Pipe & Fdry., Addyston, $94,166. Noted Jan. 10.

Ill., River Grove—Laying several miles 4- and 6-in. mains, to J. M. Donahue, Stevens Point, Wis., $160,568.

Wis., Athens — C. J. Hamilton, village clk., drilling deep well for additional water supply, to S. J. Groves & Sons Co., 306 Globe Bldg., Minneapolis, Minn., $15,000 Noted Nov. 29.

Wis., De Pere — Reaming, casting and shooting 3 wells for water supply, to W. L. Thorne Co., Des Plaines, Ill. Engrs. est. $15,000. Noted Nov. 29.

Kan., Waterville—Additional c.i. pipe distribution lines, motor driven deep well centrifugal pump, etc., to Reed & Wheelock, Clay Center. Noted Nov. 15.

S. D., Milbank—Furnishing and laying 47,600 lin.ft. 8 and 10 in. c.i. mains, to Phelps-Drake Co., 623 Metropolitan Life Bldg., Minneapolis, Minn., $94,018; repairing elevated steel tank, to Chicago Bridge & Iron Wks., 608 South Dearborn St., Chicago, Ill., $2,275. Noted Jan. 10.

Mo., Chillicothe—Bd. Pub. Wks., storage reservoir and spray pond for water and light plant; 5,600 cu.yd. earth excav. to J. N. Wilhide, Chillicothe, $2,800; 28,500 sq.ft. 4 in. and 125 cu.yd. of other concrete to Pratt-Thompson Constr. Co., 500 Republic Bldg., Kansas City, $13,598. Noted Jan. 3.

Tex., San Benito—Rio Grande Valley Electric & Ice Co. will build pumping plant, additional mains and 40 x 60 ft. pump house, by day labor. Trench digging underway. $30,000. Under supervision H. Clark, c/o owner.

Calif., Glendale—City, 15 m.g. reservoir, to Kinne & Westerhouse, I. W. Hellman Bldg., Los Angeles, $78,650, for excavation, $61,650 lining and excavation, and $16,540 for roofing. Noted Jan. 10.

Calif., San Francisco—Bd. Public Wks., electric transmission line insulators for Hetch Hetchy power and water supply, to Westinghouse Electric & Mfg. Co., Union Bank Bldg., Pittsburgh, Pa., $90,000. Noted Dec. 6.

Sewers

PROPOSED WORK

N. Y., Youngstown — Plans election to vote on $75,000 bonds disposal plant. Will mature in spring. Hopkins Eng. Co., Cutler Bldg., Rochester, engrs.

Ala., Birmingham—Jefferson Co. plans to spend approximately $1,000,000 during next 2 years for sanitary sewers and is having surveys made by J. H. Slater, co. sanitary engr., 7 mi. Shades-Cahaba trunk from Country Club to Oxmoor, $550,000; 4 mi. Possum Valley trunk, $300,000; plant at outlet of Shades Cahaba trunk, $90,000; Inglenook trunk joining Boyles system, $30,000.

Ala., Birmingham—Soon takes bids supplementary sewerage system in down town district, 8- to 30-in. mains. $275,000. A. J. Hawkins, City Hall, engr.

Mich., Detroit—Plans prepared for lateral sewers of vitr. crock and 2 ring brick, 5,652 ft. 33 and 36 in. 2 ring brick in Lateral 3981, 1,125 ft. 10- to 18-in. crock in Lateral 4063, 498 ft. 12- to 15-in. crock in Lateral 4070, 1,558 ft. 3 ft. 6 in. 2 ring brick in Lateral 4071, 865 ft. 12- to 18-in. crock in Lateral 4073, 890 ft. 12- to 15-in. crock in Lateral 4074. C. Jerome, city engr.

Ill., Elgin—Bd. Trustees Elgin Sanitary Dist. will call election Jan. 26 to vote on $700,000 bond issue for sewage disposal plant, etc.

Kan., Goff—See "Waterworks."

Neb., Fremont — Voted $100,000 bonds for sewage disposal plant. L. M. Roessler, city engr. Noted Jan. 10.

Mo., Norborne—See "Waterworks."

Tex., Lockhart—See "Waterworks."

Okla., Apperson—Having surveys made 5 mi. sewerage system and disposal plant. Imhoff tank. $30,000. Engineer not selected.

Calif., Glendale—Voted $1,600,000 bonds for outfall sewer and intercepting mains. Bids will be received about Mar. 15. Burns & McDonnell Eng. Co., 415 Marsh-Strong Bldg., Los Angeles, consult. engrs. Noted Dec. 6.

Calif., Tulare—See "Streets and Roads."

Ont., Windsor — Having plans prepared and takes bids about March 1, extending sewers. $235,000. M. E. Brian, city engr.

BIDS DESIRED

N. Y., New York—Jan. 30, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers in Melville St. and Van Nest Aves.; in sewer easement between Sedgwick and Claflin Aves. about 450 ft. north of West 197th St., Claflin Ave. between West 197th St. and point about 125 ft. north of sewer easement, Webb Ave. between sewer easement and West 197th St.

N. J., Trenton—Feb. 1, 2,530 ft. 27, 30, 36 and 48 in. drain in Heil Ave. $26,000. A. C. Gregory, City Hall, engr.

D. C., Wash.—Jan. 28, by Washington Suburban Sanitary Comn., Evans Bldg., New York Ave., c.i. and terra cotta pipe, Contrs. 39-W, 40-W and 41-S. R. B. Morse, Hyattsville, Md., ch. engr. of Dist.; adv. E. N.-R. Jan. 24.

Ind., LaPorte—Jan. 30, by E. Gildersleeve, constr. comr. of Edward W. Kablein et al. drain, mains drain contains 1,600 ft. 72-in. tunnel, 8,512 ft. 30- to 42-in. sectional or circular tile, 20,824 cu.yd. excav.; lateral contains 128 ft. 30-in. segment block or equal, 2,672 ft. 18-in. vitr. shale sewer pipe, 1,886 ft. 12-in. and 2,164 ft. 10-in. common drain tile, 5,134 cu.yd. excav. $95,000. B. P. Thomas, Masonic Temple, city engr.

Ind., Muncie—Jan. 29, by M. Anderson, clk. Bd. Pub. Wks., 212 Wysor Blk., sewers in Hackley St., and alley between Willard and 5th Sts. $25,000. Bd. Pub. Wks., engr.

Minn., St. Paul—Jan. 29, by H. W. Austin, city purch. agt., constructing sewer in West 7th St. from Palmer St. to Albion Ave., 788 lin.ft. 4-ft. and 75 lin.-ft. 36-in. sewer, 1,364 ft. 15- to 21-in. vitr. sewer pipe, etc. Former bids rejected. G. H. Shepard, city engr.. Noted Jan. 17.

Mo., University (St. Louis P. O.)—Feb. 12, 1,603 ft. 10- to 36-in. vitr. clay and 872 ft. 51 and 54 in. segmental block sewer in Colby Ave., etc., $25,808; 3,161 ft. 12 to 36-in. vitr. clay sewer in River Des Peres Sewers Sect. A-2, $33,357; 575 ft. 42 in. segmental block and 2,650 ft. 12- to 36-in. vitr. clay sewer in North Pennsylvania St., $25,642; 1,150 ft. 12 in. vitr. clay sewer in Dist. Sewer 39, $2,704; 4,475 ft. 10- to 24-in. vitr. clay sewer in Dist. Sewer 26, $12,194; 787 ft. 10 and 12 in. vitr. clay sewer in Dist. Sewer 29, $1,963. W. A. Heimbuecher, city engr.

Tex., Big Springs—Feb. 12, by City Comn., disposal plant and 50,000 ft. 6- to 12-in. mains. Montgomery & Ward, City Natl. Bank, Wichita Falls, engrs.

BIDS RECEIVED

Md., Baltimore—City Register, 400,000 lb. manhole, sewer inlet and similar castings, from Amer. Brake Shoe Fdry. Co., Fulton Station, $0.335 per lb. Noted Jan. 10.

Mich., Detroit—Dept. Pub. Wks., Lateral sewer between Livernois, Belven, Santa Clara Aves. and Six Mile Rd., from Liberty Constr. Co., 1026 Detroit Savings Bank Bldg., $21,700; Lateral between Greenlawn, Prairie, Margaretta Aves. and Seven mile Rd., from S. Healy, 400 Penobscot Bldg., $25,200; Lateral between Crawford, Artillery, Lafayette and Regular Aves., from A. Arcari, 425 Puritan Ave., Highland

Sewers (Continued)

Park, $6,500; Lateral between Livernois, Petoskey, Puritan and Florence Aves., from Western Constr. Co., 1208 Ford Bldg., $2,696.

Calif., Orange—For 2 sections outfall sewer (a) concrete (b) vitr. pipe, from C. E. Green, Western Mutual Bldg., Los Angeles, Sect. 1 (a) $41,982, Sect. 2 (a) $19,944 (b) $23,172; M. Culjak, 182½ North Brannak St., Los Angeles, Sect. 1 (b) $49,216. Noted Jan. 10.

CONTRACTS AWARDED

Massachusetts—Metropolitan Dist. Comn. of Commonwealth of Massachusetts, 1 Ashburton Pl., Boston, 3,476 ft. 20- and 30-in. earthern pipe sewer, to A. Cefalo, Belgrave Ave., Roslindale (Boston P. O.), $59,608. Noted Dec. 20.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, sewers in Narrows Ave., to C. F. Vacharas, 645 40th St., 108% engrs. est. ($800); Forbell Ave., to Fenlon Contg. Co., 99% ($700); 24th Ave. and East 36th St., to B. Peconi & Sons, 73% ($37.586) and 90% ($2,245) respectively; Miller Ave., 70th and East 31st Sts., to R. Iobino, 91% ($400), 88% ($400) and 92% ($400) respectively. Noted Jan. 17.

Tenn., McKenzie—General contract sewerage system, to Sherman Machine & Iron Wks., 18-32 East Main St., Oklahoma City, Okla., $59,200. Noted Dec. 27.

O., Mariemont—Mariemont Company, 3,000 ft. 18 and 20 in. vitr. pipe, connection to Cincinnati sewerage system, also small tunnel under tracks of Norfolk & Western R.R., etc., to Cannel-Conrad Constr. Co., Madison Rd., Cincinnati, $34,717. Engrs. est. $40,000.

Mo., Carrollton—For 34,000 ft. 8- to 21-in. vitr. sewers, etc., to T. M. Walsh, 2953 Victor St., Kansas City, $37,608. Noted Dec. 27.

Bridges

PROPOSED WORK

Conn., Middletown—New York, New Haven & Hartford R.R., New Haven, City of Middletown, and State Highway Dept., Hartford, will finance construction of steel girder bridge to eliminate crossing at Bridge St. Work involves 35,000 cu.yd. rein.-con., 1,000 ft. 16 ft. fill. Owners pay $150,000, $50,000, and $100,000 respectively.

New York—Bd. Estimate, Municipal Bldg., New York City, had plans prepared 1,800 ft. steel and concrete bridge, 118 ft., over East River, from 1st Ave. and 8th St., New York City to North 5th St. and Metropolitan Ave., Brooklyn. $41,820,000. Noted Jan. 4, 1923.

N. Y., Cohoes—Making surveys removing steel bridge on Columbia and Bedford Sts., and constructing new span from Columbia and Bedford Sts. to White St. $90,000. A. Thompson, city engr.

Fla., Arcadia—DeSoto Co., election Feb. 2, to vote on $25,000 bonds for bridge over Peace River.

Fla., Sarasota—See "Streets and Roads."

O., Columbus—City, Cleveland, Cincinnati, Chicago & St. Louis R.R., La Salle St., Chicago, Pennsylvania R.R., Penn. Sta., Pittsburgh and Union Depot Co., having plans prepared remodeling and rebuilding Union Sta. viaduct over High St. $150,000. R. R. Chaney, asst. engr. under direction of R. H. Simpson, city engr., preparing plans.

Ind., Goshen—State Hy. Dept., Indianapolis plans bridge over Elkhart River on Hoosier-Dixie Highway, 4 mi. south of here, to replace one which collapsed. $50,000. B. C. O'Brien, Goshen, state supt. of highways.

Tex., Ft. Bend—See "Bids Received."

Tex., Madisonville—Madison and Houston Counties plan bridge across Trinity River. $150,000. C. R. Haile, Chamber of Commerce Bldg., Houston, div. highway engr.

Calif., Eureka—Humboldt Co. had plans prepared concrete arch bridge over Van Dusen River, 755 ft. long, 22 ft. wide, 3 arches, 2 approaches, supported on 2 piers and 2 abutments. J. B. Leonard, 57 Post St., San Francisco, consult. engr.

Calif., Santa Ana—Orange Co. plans bridge over Santa Ana River, probably trestle construction, 60 ft. movable span in center, also bridge over channel of Newport Bay, probably rein.-con. Each to exceed $30,000. J. L. McBride, co. rd. comr.

Alaska—See "Contracts Awarded."

BIDS DESIRED

Minn., St. Paul—Mar. 3, by Comrs. Ramsey Co., bridge on Robert St. G. J. Ries, aud.; adv. E. N.-R. Jan. 24. Noted Dec. 6.

Pa., Phila.—Jan. 28, at Engineer Office Philadelphia & Reading R.R. Co., Reading Terminal, 324 ft. rein.-con. and steel trestle, 30 ft. average width, at Pier 18, Richmond St. Private plans.

South Carolina—Jan. 28, by State Highway Engineer, 1626 Main St., Columbia, approaches to overhead crossing of Seaboard R.R. near Dixiana, 39,280 cu.yd. common excav., 641 cu.yd. sand clay surfacing etc.

S. C., Saluda—See "Streets and Roads."

Georgia—Feb. 1, by State Hy. Dept., East Point, bridge over Big Indian Creek on Perry-Hawkinsville Rd., Federal Aid Project 380, for Houston Co., 402 cu.yd. excav., 506.13 cu.yd. concrete, 7,298 lb. reinforcing steel, etc.; 3 creosoted timber bridges on Appling-Lincolnton Rd., Federal Aid Project 350, for Columbia Co., $23,456 ft. treated timber, 20,480 ft. untreated timber, 1,628 lin.ft. treated piles, 24 cu.yd. concrete; removing old bridge and constructing bridge on Valdosta-Adel Rd., Federal Aid Project 357, for Lowndes Co., 90.47 cu.yd. concrete, 11,431 lb. reinforcing steel, etc. W. R. Neel, East Point, engr. H. L. Furlow, Tifton, engr. in latter project.

Tennessee—Feb. 8, by Tennessee Dept. Hys. & Pub. Wks., Nashville, overhead crossing Southern R.R. near Knoxville, Federal Aid Project 41, Sect. C, Knox Co., rein.-con. pier and slabs; 14 rein.-con. bridges, concrete abutments, each over 20 span, timber pilings, Federal Aid Project 100, Haywood Co.; reconstructing old bridge over Clinch River, 508 ft., one 220 ft. and two 144 ft. spans, new floors, timber and steel work, etc., State Aid Project 152, Anderson Co.; 60 ft. concrete bridge over McBrides Branch, State Aid Project 151, Coffee Co. J. G. Creveling, comr.

Tennessee—Feb. 8, by Dept. Hys. & Pub. Wks., Nashville, 114 ft. steel span and 18 wooden spans, concrete and wood substructure, over Roaring River, in Jackson Co. About $60,000. J. G. Creveling, comr. Noted Nov. 8.

Minn., Mendota—Feb. 14, by A. P. Erickson, aud. Hennepin Co. (Minneapolis), 4,055 ft. bridge over Minnesota River, here, alternate bids on rein.-con. arch, $1,570,000, and concrete pier, steel deck trusses and concrete deck, $1,400,000. W. H. Wheeler, 1112 Metropolitan Life Bldg., Minneapolis, and C. A. P. Turner, 627 1st Ave. N., Minneapolis, engrs. Noted Nov. 29.

Minn., Duluth—Feb. 5, by W. H. Borgen, aud. St. Louis Co., Bridge C.-2-26-1 on Shagawa Lake Rd., 75-ft. truss with standard abutments, 18 ft., $6,000; Bridge M. Y-M-6-26-1 on Pike River Rd., 165 ft. truss, $10,000; Bridge D. T-5-16-1, 250 ft. long, incl. 18,500 ft. lumber, 68,940 lb. structural and 13,340 lb. reinforcing steel, etc., $12,000; Bridge L. 1-28-1, 60 ft. truss, $5,000. R. W. Acton, co. engr.

Missouri—Jan. 29, by State Hy. Dept., Jefferson City, bridges over Eleven Points River, and over Middle Fork River, Oregon Co.; over Grand River and overflow of Grand River, Livingston Co.; over Current River on Stations 1636 plus 44 and 1634 plus 65; Shannon Co.; on Sta. 385 plus 40, Jasper Co.; over tracks of St. Louis & San Francisco R.R., Phelps Co.; over tracks of Chicago & Alton R.R., Jackson Co. B. H. Piepmeier, state highway engr. Noted Dec. 27 and Jan. 10.

Ont., Pembroke—Jan. 25, by Town Council, furnishing structural steel for bridge over Muskrat River on St. Marys St. Total cost. $375,000.

BIDS RECEIVED

La., New Orleans—Bd. Port Comrs., Suite 200, New Court Bldg., furnishing 213 tons steel for bridges, approaches, span and machinery house, (constituting part of Canal St., ferry landing) from Bethlehem Fabricating Co., Bethlehem, Pa., $25,342 (90 days); furnishing machinery for operating bridge at Canal St., from Earle Gear & Mchy. Corp., 4707 Stenton Ave., Phila., Pa., (a) $15,000, (b) $15 per day (120 days). Noted Jan. 3.

Tex., Ft. Bend—Richmond Co., bridge across Brazos River from J. De Puy, Bedell Bldg., San Antonio, and Austin Bridge Co., 1813 Clarence St., Dallas. Plans are to be revised to reduce cost to about $265,000, undecided whether contracts will then be given to low bidders or new bids called for.

C. H. Kendall, Sugarland, engr. Noted Oct. 4.

Tex., Robert Lee—Coke Co., 247 ft. bridge over Oak Creek, one 70 ft. steel span, concrete approaches on concrete piers, from Hannah Constr. Co., Box 994, Waco. $20,035. Engrs. est. $25,000. Noted Dec. 27.

California—State Hy. Comn., Sacramento, Jan. 14, 240 ft. bridge with three 50 ft. and two 30 ft. concrete girders, over San Lorenzo Creek, Monterey Co., from Rocca & Caletti, 920 Mission Rd., San Rafael, $26,415. Noted Jan. 3.

CONTRACTS AWARDED

Vermont—Dept. Highways, Montpelier, 68 ft. span, low Warren truss bridge, concrete abutments, gravel surface approaches, in Bloomfield, and 40 ft. span, T-beam concrete bridge with gravel surfaced approaches, Federal Project 44, in Ferdinand, to E. D. Young, Colebrook, N. H., $14,967 and $10,597 respectively. Noted Oct. 18.

N. C., Spray—Rockingham Co. (Wentworth) 2 way rein.-con. bridge over Dan River, near here, to Luten Bridge Co., 445 East 4th Ave., Knoxville, Tenn., $40,000.

Florida—State Hy. Dept., Tallahassee, bridge between Pensacola and Milton, incl. 1,676 671 cu.yd. embankment, 932 ft. treated trestle structural timber, 52,000 lin.ft. treated trestle and 32,000 lin. ft. treated bulkhead piling, 542, ft. of 2 x 10 in. treated sheathing, to Hardaway Contg. Co., Columbus, Ga., $513,248. Noted Nov. 15.

Fla., New Smyrna—Volusia Co., Deland, steel draw bridge, swing type over Indian River, 60 ft. clear openings, 45,000 cu.yd. earth embankment, 400 cu.yd. concrete, to Austin Bros. Bridge Co., Mickleberry St., Atlanta, Ga., $54,700; creosoted timber bridge over Callalera Creek, to W. T. Hadlow, Baldwin Bldg., Jacksonville, $16,350. Noted Dec. 27.

Alabama—See "Streets and Roads."

Oregon—State Hy. Dept., Salem, 1,200 ft. trestle bridge on Roosevelt Highway between Coquille and Bandon, Coos Co., to Hillstrom Bros., Marshfield, $25,000.

Wash., Seattle—Bd. Pub. Wks., West Spokane St. viaduct, to H. Pederson, Alaska Bldg., $154,536. Noted Jan. 17.

California—State Hy. Comn., Sacramento, constructing 6 rein.-con. girder bridges and approaches across Mill Race, Salt Creek, Craig Creek, Salt Creek Overflow, Butler Slough and New Creek in Tehama Co., to McKenzie & Pollard, Gerber, (frame bents) $48,646.

Alaska—Alaskan Eng. Comn., Seattle, Wash., furnishing 240 tons structural steel for bridge over Placer River, to Independent Bridge Co., May Bldg., Pittsburgh, Pa., $23,760.

Dams

BIDS DESIRED

Tex., Wolf City—Taking bids digging dam for storage purposes, 40,000 yd. earth to be removed. $50,000. Address Mayor.

Railways

PROPOSED WORK

Ohio—Cleveland Ry. Co., Hanna Bldg., Cleveland, plans crosstown car line in Lakewood. $50,000. Address E. F. Weagan, mayor of Lakewood.

Arkansas—See "Industrial Works" under Bethesda.

Texas—E. P. Turner, Gaston Bldg., Dallas, plans to resume construction at once 15 mi. line, Dallas-Irving Interurban, will let new contract or do work by day labor. $200,000. Former contractor quit job when money ran out.

Texas—San Antonio Southern Ry. Co., Calcasieu Bldg., San Antonio, plans extension from Callihan to Hebronville, construction will not start until extension from Christine to Callihan, now under way, is completed. Work includes grading right of way, laying steel, etc. $80,000. H. R. Briscoe, genl. mgr.

Oklahoma—Oklahoma Union Ry. Co., 102 West 4th St., Tulsa, completing plans 138 mi. track between Keifer to West Tulsa, incl. passenger and freight depots, switches, storage yards, shops, etc. $3,500,000. W. Matthews, ch. engr.

California—Oakland Terminal Rys. Co., 22nd and Grove Sts., Oakland, plans to double track Park St. between Santa Clara and San Jose Aves., at Alameda. $40,000.

Railways (Continued)

California—Atchison, Topeka & Sante Fe R.R. Co. Kerckhoff Bldg., Los Angeles, completed specifications, 40 mi. double tracks between Hicks near Barstow and Summit. R. B. Ball, ch. engr. coast lines.

BIDS DESIRED

Indiana—Apr. 1, by New York, Chicago & St. Louis R.R., Columbia Bldg., Cleveland, O., double tracking road between Claypool and Knox, 40 mi. standard guage. E. E. Hart, ch. engr.

Texas—Jan. 31, by H. L. Washburn, aud. Harris Co. Navigation Dist., Court House, reconstructing Ave. O line of Public Belt R.R. on south side Turning Basin. $50,000. S. E. A. Tucker, Court House, engr.

Texas—Southern Pacific R.R., Southern Pacific Bldg., Houston, taking bids 9 mi. trackage from Southern Pacific Belt Line Union Terminal to Metzger and Texas & Pacific R.R. $600,000. G. H. Lawrence, Union Terminal, Dallas, engr.

Excavation, Drainage, Irrigation

PROPOSED WORK

New York—J. A. Delaney, comr. Docks, Pier A foot of Battery Pl., New York City, rejected bids Jan. 14, dredging channel, constructing dikes, etc., Queens Boro, Contr. 1818. Noted Jan. 17.

O., Cleveland—Plans to develop lake front section into harbor, will expend $1,500,000 for cutting down lake front to 8 or 10 ft. above water level, same now as high as 38 ft. in some places. W. S. Ferguson, dir. Pub. Serv.

Ark., Lake Village—Chicot Co. D.D., c/o J. Sloss, Lake Village, takes bids in February, 12,000,000 cu.yd. drainage canals and levee work. $1,400,000. Ayers & Miller, McCall Bldg., Memphis, Tenn., engrs.

Wash., Grand Dalles—North Dalles Irrigation Dist. plans election to vote on $425,000 bonds for irrigating 5,000 acres, etc. L. A. Duncan, The Dalles, Ore., pres. W. J. Roberts, 616 Puget Sound Bank Bldg., Tacoma, engr. Noted Dec. 27.

Ore., Prineville—Powell Butte Irrigation Dist. applied for 200 cu.ft. water from Deschutes River, to irrigate 130,000 acres $800,000.

BIDS DESIRED

N. Y., New York—Jan. 25, by Superintendent Bd. Educ., 500 Park Ave., excavating and removing earth and rock from property adjoining P. S. 30, East 141st St. $40,000.

N. C., Morehead City—Feb. 15, by North Carolina Fisheries Comn. Bd., at their office here, dredging and other construction required for re-opening New Inlet about 6 mi. north of Rodanthe, Dare Co. B. S. Drane, 710-711 Commercial Bldg., Charlotte, engr.; adv. E. N.-R. Jan. 24.

Fla., Tampa—Feb. 18, by Interstate Investment Co., removing about 130,000 yd. sand, clay and rock in Tampa Harbor; adv. E. N.-R., Jan. 24.

BIDS RECEIVED

N. Y., Rochester—R. K. Fuller, comr. Canals & Waterways, Albany, Jan. 17, completing excavation of canal channel in Genesee River and placing rock spoil protection along river banks, here, Contr. 214, from James Stewart Co., 30 Church St., New York City, $85,000. Noted Dec. 20.

Calif., Long Beach—City, excavating 1,720,000 yd. in Channel 2, from F. C. Franks, Amer. Natl. Bank Bldg., San Francisco, $0.1385 per yd.; 1,668,000 yd. in Turning Basin, from United Dredging Co., 414 13th St., Oakland, $0.1469 per yd.; 916,000 yd. in Channel 3 and 1,174,000 yd. connecting channel, from San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, $0.154 and $0.168 per yd. respectively.

CONTRACTS AWARDED

N. J., Cape May—Bd. Commerce & Navigation, State House, Trenton, redredging 11,000 ft. inland waterway in Grassey Sound Channel, Richardsons Channel and Suaires Channel, Cape May Co., to Hill Dredging Co., Atlantic Ave., Atlantic City, $0.60 per cu.yd. Noted Jan. 3.

Miss., Senatobia—Tate—Panola D. D. 1, 369,400 cu.yd. in main canal, 90,000 cu.yd. in Protee Canal and 22,000 cu.yd. old ditch enlargement, to A. V. Wills & Sons, Title Guarantee Bldg., St. Louis, Mo., $0.132 per cu.yd. Noted Dec. 27.

Streets and Roads

PROPOSED WORK

New Jersey—State Hy. Dept., Trenton, plans concrete paving 3 mi. Route 9, Sect. 14, from Somerset-Hunterdon Co. line to North Branch, Hunterdon Co. W. G. Sloan, highway engr.

N. C., Morganton—Feb. 11, to vote on $150,000 bonds improvements Avery, Green, Sterling, Burkemont and Valdese Sts.

N. C., Wadesboro — Plans paving various streets. $40,000.

Fla., Arcadia—DeSoto Co. election Feb. 2 to vote on $25,000 bonds, Rd. 2 and Carlston Field Rd.; $40,000, Nocatee to Thomas Spur and Charlotte Co.; $50,000, Peace River Swamp and surface No. 1 of Special Rd. and Bridge Dist. 2 to Manatee; $60,000 Door Field to Highlands Co. L. A. Durrance, clk. Noted Dec. 27.

Fla., Auburndale — City voted $310,000 bonds for paving streets and extending waterworks.

Fla., Sarasota—J. Ringling and associates plan causeway across Sarasota Bay, 2 mi. long, from foot of Pineapple Ave., draw and high span. $1,000,000. Engineer not announced.

Fla., Umatilla—Voted $45,000 bonds for street improvements.

Fla., Winter Park—Plans paving, 16 ft. wide, Mizel and Phelps Sts., section of Palmer, Rollins Kentucky, French and Lakeview Sts., $35,518; paving with vitr. brick or equivelent, 16, 18 and 24 ft. wide, Palmer and New England Sts., also section Boulevard, $39,750, 16 and 20 ft. wide, Indiana, New England, Henkle Sts., etc., $25,083, 20 ft. wide, Canton St., Palmer and Georgia Aves., $25,972, 16 and 20 ft., Alabama Dr., West Park and Lyman St., $25,432, 20 ft. wide, Fairbanks, Comstock and Lyman Sts., $28,222, 18 ft. Chase Ave., Kentucky, Chapman and Comstock Sts., $26,864. E. F. Bellows, city clk. Noted Sept. 6.

Miss., Greenwood—Takes bids in spring, grading, surfacing with brick on concrete, concrete curbs and gutters, on 15,000 ft. 1st Alley, Church, Washington, Cotton, Henderson, Mississippi, Leflore, 4th, George, Front and Walthall Sts. $150,000. W. S. Hawkins, City Hall, engr.

Tennessee—Dept. Hys. & Pub. Wks., Nashville, having surveys made roads, bridges, etc., on road from Waynesboro to Hardin Co. line, 16 ft. J. G. Creveling, comr. Noted Dec. 27.

Tenn., Selmer—McNairy Co. voted $200,000 bonds for roads will be built under supervision of State Hy. Dept., J. G. Creveling, comr.

Kentucky—State Hy. Dept., Frankfort, plans constructing and surfacing 11.9 mi. Frenchburg-Mt. Sterling Rd., 18 ft., State Project 32, Montgomery Co. J. S. Boggs, state highway engr.

Ky., Clay—Plans asphalt paving Main and Elm Sts. $50,000. A. E. Blackwell, city clk.

O., Akron—Plans widening ½ mi. Bowery St. from 66 to 99 ft., asphalt. $75,000. E. A. Kemmler, Delaware Bldg., engr.

O., Canton — Plans relaying curb and asphalt paving ½ mi. 3rd St. N.W., 60 ft. $30,000. W. E. Sarver, City Hall, engr.

O., Cincinnati—Plans paving Plum and 5th Sts., Hamilton Ave. from Chase to Bruce Aves. and from Hoffner St. to Chase Ave. $235,773. F. Krug, City Hall, engr.

O., Columbus—Had preliminary estimates made removing parkways and grass plots, and asphalt paving 3,500 ft. East Broad St., 46 ft. $114,600. R. H. Simpson, city engr.

O., East Liverpool—Plans improving and widening (20 ft.) ¼ mi. West 4th St., 50 ft. $25,000-$30,000. J. A. George, East Liverpool, engr.

O., Warren—Trumbull Co. plans improving ¾ mi. Warren-Lordstown Rd., 20 ft. $75,000.

O., Wooster—Making plans approximately 115,000 sq.yd. paving during 1924. C. L. Orr, City Hall, engr.

Ind., Ft. Wayne—Dept. Pub. Wks. plans paving 20 alleys also Pauline St. To exceed $100,000.

Ind., South Bend—St. Joseph Co. plans concrete paving Nasturtium Rd., 20 ft. wide with 3 ft. berm of gravel. $50,000. Engneer not selected.

Mich., Detroit—Having plans prepared paving 1,500 sq.yd. Boston Blvd. $8,610 and 1,100 sq.yd. Grove Ave. $6,110, 3½ in. sheet asphalt on 8 in. concrete; also one course 6 in. concrete in 12 alleys $41,880. G. Jerome, city engr.

Ill., Dundee—Kane Co. (Geneva) having preliminary plans made grading and concrete paving $4,500 ft. Higgins Extension Rd., 18 ft., near here. $40,000. I. F. Stern, 38 South Dearborn St., Chicago, engr.

Ill., East St. Louis—Soon takes bids grading, paving and curbing 2,400 ft. streets, 30 ft. average width, in Winstanley and Lansdowne Dists. $250,000. W. McK. Brown, City Hall, engr.

Ill., Peoria—Takes bids in spring grading and paving with brick, concrete, etc., 10,000 ft. various streets. $100,000. L. Jeffries, City Hall, engr.

Wis., Fond du Lac—Making plans paving Oak Ave., 4th, Bank, South Bell and Bannister Sts., bids on rein.-con., sheet asphalt, asphaltic-concrete and vibrolithic concrete. G. H. Stanchfield, City Hall, engr.

Wis., Horicon — Plans concrete paving Finch St. and Mayville Rd., 30 ft. $25,000. E. H. Higbee, city clk. Engineer not selected.

Wis., Stoughton—Having plans prepared concrete paving 12,000 sq.yd. and concrete curbing and guttering Main St. $25,000. T. Pankow, Washington Bldg., Madison, engr.

Ia., Arnold Park—Preparing plans grading, paving and curbing 12 blocks $40,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Ia., Marion—Linn Co. election soon to vote on $800,000 bond issue paving 6 mi. Lincoln Highway, and gravel surfacing 150 mi Primary and Secondary Rds. F. W. Gearhart, co. engr.

Ia., Sioux City—Plans repaving 1 mi. 4th St. and 10 blocks West 17th St. $60,000. L. M. Hintgin, city engr.

Kan., Mound City—Linn Co. completing plans grading 20.5 mi. road, Kansas City Eng. Co., 1233 Western St., Topeka, engrs.

South Dakota—State Hy. Dept., Pierre, plans grading, etc. 33 mi. Federal Aid Project 172, Edmunds Co. F. D. Hudgins, ch. engr.

S. D., Sioux Falls—Plans to pave 44 blocks. $145,000. W. C. Leyse, city aud.

N. D., Devils Lake—Ramsey Co. plans grading road from here to Starkweather, graveling 13 mi. west on Edmore-Starkweather Rd., and 6 mi. Edmore Rd. from point 9 mi. west of Edmore, and 12 mi. new road east of Edmore. $60,000. J. A. Kramer, aud.

Missouri—State Hy. Dept., Jefferson City, plans grading 5 mi. State Project Route 12, Sect. 39, 30 ft., Osage Co. B. H. Piepmeier, state highway engr.

Mo., Hannibal—Plans grading, concrete curbing, guttering and rein.-con. paving 2,700 ft., North, 6th, 7th, 8th, 9th, 11th, and Hubbard Sts., 36 ft. average. $29,211. W. R. Gettler, City Hall, engr.

Ark., Pine Bluff—Takes bids early in February grading, 3,300 sq.yd. concrete or asphalt paving, and 2,200 lin.ft. concrete curb and gutter in Jefferson Co. Rd. and Street Impvt. 1. F. Bennett, Citizens Bank Bldg., engr.

Ark., Pine Bluff—Soon takes bids grading, paving with concrete or asphaltic 7,200 sq.yd. in Street Impvt. Dist. 75. F. Bennett, Citizens Bank Bldg., engr.

Tex., Canyon—Plans paving 6 blocks 5th Ave., probably brick. $25,000. C. N. Harrison, mayor.

Tex., Corpus Christi—Nueces Co. having plans prepared improving 5.23 mi. highway from Robstown to Robb, 18 ft., macadam base with 1 in. bituminous topping. $105,000. C. E. Cocke, co. engr.

Tex., Crockett—Houston Co. defeated $250,000 bonds improving Grapeland Rd. Dist. New election to be called at once. C. H. Milburn, co. engr. Noted Dec. 13.

Tex., Dallas—Plans widening, paving, etc. Browder St. $50,000. E. A. Kingsley, city engr.

Tex., El Paso—El Paso Co. having plans prepared concrete or bituminous paving 17.5 mi. highway between Yselta to Fabers, 18 ft. $483,000. L. A. White, co. engr.

Tex., Graham—Young Co. defeated $850,000 bonds for road work. New election will be called. W. H. Reeves, co. judge.

Tex., Kerrville—Kerr Co. having plans prepared graveling 6.3 mi. State Highway 7, 16 ft. $91,237 incl. $26,000 Federal aid. W. E. Simpson Co., Natl. Bank Commerce Bldg., San Antonio, engrs.

Streets and Roads (Continued)

Tex., Mexia—Had plans prepared paving North Kaufman St., miscellaneous types incl. brick and bituminous. $25,000. R. D. Morgan, city engr.

Tex., Paducah—Cattle Co. voted $50,000 bonds highway improvements. J. M. Whatley, co. judge. Noted Jan. 10.

Tex., Pecos—Reeves Co. takes bids after Jan. 20, caliche surfacing and bridging 3.78 mi. road from State Highway 1 to Cedar Gap, 16 ft. A. J. Adcock, Balmorhea, engr.

Tex., Teague—Freestone Co. having plans prepared grading, gravel and bituminous surfacing various state highways and county roads. $632,000. J. E. Johnson, co. engr.

Tex., Venus—Voted $25,000 bonds paving business streets, various types. H. N. Roberts, 4227 Irving Ave., Dallas, engr.

Okla., Oklahoma City—Plans grading and paving 5 blocks, Blackwelder Ave., 12th, 29th and 44th Sts., 5,100 sq.yd. asphalt, 3,250 lin.ft. curbing, 2,100 cu.yd. excav. $27,000. B. M. Hart, city engr.

Okla., Sioux City—Preparing plans paving 20 blocks various streets. W. E. Buell & Co., 205 Davidson Bldg., engr.

Wash., Seattle—Bd. Pub. Wks. rejected bids Jan. 11, paving Jackson St. et al. Will readvertise immediately. J. D. Blackwell, city engr. Noted Jan. 17.

Calif., Marysville—Having plans prepared improving portions 2rd, 3rd and Chestnut Sts., etc., 3½ in. bituminous base, 1½ in. Warrenite-bituminous wearing surface, concrete curbs, gutters, etc. To exceed $25,000. J. O. Wanzer, city mgr.

Calif., Oakland—Had plans prepared improving 5th St., 202,627 sq.ft. grading, 194,754 sq.ft. 6 in. concrete base with 2 in. Warrenite-bituminous surface, 6,299 lin. ft. concrete curb and 707 lin.ft. concrete curb with steel guards, also 7,873 sq.ft. concrete gutter, etc. W. W. Harmon, city engr.

Calif., San Diego—Had plans prepared improving Cedar and Date St., 27,346 sq.yd. paving, 1½ in. sheet asphalt on 3 in. asphalt concrete, 8,636 sq.yd. cement sidewalk; A, Ash, Beach and 7th Sts., 19,030 sq.yd. paving, 1½ in. asphaltic concrete on 2½ in. asphaltic concrete, 9,820 sq.yd. 4 in. concrete, 1,522 lin.ft. curbing, 4,100 sq.ft. cement sidewalk; 22nd St., 23,645 sq.yd. paving, 2½ in. asphaltic concrete base and 1½ in. asphaltic concrete wearing surface; Woolman Ave., 22,911 sq.yd. paving, 3 in. asphaltic concrete base and 1½ in. wearing surface, 1,571 lin.ft. cement curbing, 7,816 sq.ft. cement sidewalk. F. A. Rhodes, city engr.

Calif., Santa Ana—Had plans prepared improving portion Fairview Ave., 106,213 sq.ft. grading, 106,213 sq.ft. 6 in. concrete pavement, 3,670 lin.ft. concrete curb, etc.

Calif., Stockton—San Joaquin Co. having plans prepared grading and 6 in. surfacing 2½ mi. Atherton Rd., 12 ft., crushed rock or gravel. F. E. Quail, co. surv.

Calif., Tulare—Having plans prepared improving various streets and alleys, 4, 5 and 6 in. concrete pavement, curbs, gutters, walks, also 6, 8 and 10 in. cement pipe storm sewers, etc. To exceed $60,000. J. P. Williams, city engr.

Calif., Woodland—Yolo Co. having plans prepared 10 mi. highway between Madison and Winters. A. G. Proctor, co. surv.

Que., Montreal—Plans concrete pavement on 950 ft. lane between Bourbonniere and Orleans Sts. $7,854, also 462 ft. lane north of Chenier St. $4,370, concrete sidewalks on 560 ft. Pervillier St. $2,540, 2,472 ft. Jarry St. $13,904. E. Gauthier, asst. city. clk.

Ont., St. Thomas—Having plans prepared paving Moore St., asphalt on concrete. $30,000. W. C. Miller, city engr.

BIDS DESIRED

N. Y., Long Island City—Jan. 28, by M. E. Connolly, pres. Queens Boro. Queens Subway Bldg., sheet asphalt paving, Hallet and 41st Sts., Hayes and 103rd Aves., etc.; grading, curbing and laying sidewalks on 41st St. and 103rd Ave., etc.

N. Y., New York—Jan. 28, by J. Miller, pres. Manhattan Boro. Municipal Bldg., granite block repaving Maiden Lane, Washington St., Lexington, 1st and 2nd Aves.

N. Y., New York—Jan. 30, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., grading, curbing, laying sidewalks, crosswalks, etc., on La Salle Ave. from East Tremont to Crosby Aves.; grading La Salle Ave. from Crosby Ave. to Eastern Blvd.

Md., Baltimore—Jan. 30, by Bd. Awards, grading Granada, Eldorado, Oakford, Belle and Hawthorne Aves., 16,450 cu.yd. excav., Contr. 248-OANA. R. K. Compton, chn. Paving Comn.

Fla., Crawfordville—Feb. 2, by Wakulla Co., constructing roads: Wakulla to St. Marks, 6 mi.; Wakulla to Newport, 3.5; Crawfordville to Arran, 2.9 mi.; Crawfordville to Ivan and Leon Co. Line, 8.1 mi.; Medart to Panacea, 4 mi.; Sopchoppy to Leon Co. Line via Smith Creek, 26 mi. L. L. Pararo, clk., Armes & Winthrop, engrs.; adv. E. N.-R. Jan. 24.

Ala., Anniston—Feb. 15, by City Clerk, asphalt paving 1,25 mi. South Noble St., $180,000.

Ala., Huntsville—Feb. 1, by Clerk, Madison Co., 5 mi. concrete roadway from Huntsville to Triana Pike, 20 ft. $60,000. Above road will be owned by county but paid for by following cotton mills: Merrimack Mfg. Co., Lowe Mills, Huntsville Knitting Co. and West Huntsville Cotton Mills.

South Carolina—Jan. 28, at offices of State Highway Engineer, 1626 Main St., Columbia, 16,869 cu.yd. common and 200 cu.yd. rock excav., 7,550 cu. top soil surfacing, etc., on State Route 161.

S. C., Bennettsville—Jan. 29, by Mayor, hard surfacing 50,000 sq.yd. various streets. H. Beebe, Spartanburg, engr.

S. C., Saluda—Jan. 30, by Saluda Co. Hy. Comn., improving 5.59 mi. State Route 24, Federal Aid Project 52-A, 46,635 cu. yd. common and 500 cu.yd. rock excav., 17,346 cu.yd. top soil surfacing, etc., 2 rein.-con. bridges on same incl. one with 3 twenty-two ft. and one with 5 twenty-two ft., two 32 ft. and one 43 ft. spans; 10.9 mi. State Route 392, State Project S-510, 69,307 cu.yd. common and 400 cu. yd. rock excav., 34,200 cu.yd. top soil surfacing, etc.

Tennessee—Feb. 8 by Dept. Hys. & Pub. Wks., Nashvile, grading 16.07 mi. Brownsville-Tipton Co. Rd., 18 ft., Federal Aid Project 100. J. G. Creveling, comr. Noted Aug. 23.

Tennessee—Feb. 8, by State Dept. Hys. & Pub. Wks., Nashville, grading and 3 rein.-con. bridges over 20 ft. spans each on Crossville-Whitie Co. Rd., 18 ft., State Project 130, Cumberland Co.; grading 0.63 mi. road from Cumberland River Bridge to City Ferry Rd., 16 ft., State Project 139, Montgomery Co., 13.49 mi. Linden-Lewis Co. Rd., 16 ft., State Project 116, Perry Co.; grading, coarse stone base, bituminous macadam surface or cement concrete paving and 1 rein.-con. bridge over 20 ft. span on 3.64 mi. Sparta-Warren Co. Rd., 18 ft., Federal Aid Project 201, White Co.; concrete paving, grading, etc., and 2 rein.-con. bridges each over 20 ft. spans on 14.41 mi. Blountsville-Kingsport Rd., 18 ft., Federal Aid Projects 95 and 97, Sullivan Co.; surfacing with waterbound macadam 2.25 mi. road from Nolichucky River to Cavey Branch, 10 ft., Federal Aid Project 153, Greene Co.; concrete paving and 2 rein.-con. bridges each over 20 ft. spans on 7.6 mi. Manchester-Hillsboro Rd., 9 ft., State Project 150, Coffee Co. J. G. Creveling, comr. Noted Jan. 17.

O., Cincinnati—Feb. 1, by Hamilton Co., paving 20,000 sq.yd. Mullen Rd., waterbound macadam. $31,726. E. A. Gast, Ccurt House, co. surv. Noted Dec. 13.

O., New Philadelphia—Feb. 18, by Tuscarawas Co. paving 7 mi. road, waterbound macadam. E. Stingel, co. surv.

O., Toledo—Feb. 5, by Lucas Co. grading, curbing and concrete paving Barrows St. Impvt. 215, Balkan Pl. Impvt. 216, Brussells St. Impvt. 217, Mansfield St. Impvt. 219, Talbot St. Impvt. 218. A. E. Schmitt, clk.

Indiana—Feb. 5, by State Hy. Comn., Indianapolis, paving with either brick, bituminous concrete or concrete, 6.032 mi. Sect. B and 8.785 mi. Sect. C, Louisville Rd., Clark Co., Federal Aid 21; Yellowstone Trail: 6.499 mi. Sect. D, Kosciusko Co., 5.834 mi. Sect. E, Kosciusko and Whitley Counties, 6.98 mi. Sect. F. Whitley Co., 7.699 mi. Sect. G, Whitley Co. and 7.352 mi. Sect. H. Allen Co., Federal Aid 66; Lafayette Pike: 7.736 mi. Sect. A. Boone Co., and 8.095 mi. Sect. D, Tippecanoe Co., Federal Aid 74. J. D. Williams, dir.

Ind., Boonville—Feb. 8, by Bd. Comrs. Warrick Co., improving Twp. Unit Rd., Greer Twp., known as Susott. $35,647.

Ind., Kendallville—Feb. 5, by City Council, paving 14 streets and 4 alleys, bids on various materials, especially brick, concrete, asphalt and macadam. $100,000. City Bureau of Eng., City Bldg., engrs.

Ind., Wabash—Feb. 5, by W. Beauchamp, aud. Wabash Co., improving H. P. Jenkins et al. Rd. $72,344.

Ia., Des Moines—Feb. 1, by Auditor Polk Co., paving and incidental work on 6 mi. Des Moines-Mitchellville Rd., Polk Co. $150,000. F. O. Laing, co. engr. Noted Nov. 3.

Kan., Salina—Feb. 6, at office of City Clerk, curbing, guttering, excavating, grading and paving streets, 10,300 cu.yd. excav., 500 ft. curb, 12,200 ft. curbing and guttering, 31,600 sq.yd. paving, bids on 3 in. brick on 5 in. concrete, 2 in. asphaltic concrete on 5 in. concrete and 6 in. rein.-con. W. L. Theisner, city engr.

Missouri—Jan. 29, by State Hy. Dept., Jefferson City, gravel surfacing 212,800 sq.yd. roads in Moniteau, Washington, Knox, Pike, Dallas, Ralls and Taney Counties; concrete paving 38,176 sq.yd. roads in Cass and Jasper Counties; grading roads in Putnam, Laclede and Iron Counties, 72,715 cu.yd. earth and 5,490 cu.yd. rock excav. B. H. Piepmeier, state highway engr. Noted Jan. 10 and 17.

Mo., St. Louis—Feb. 19, by Bd. Pub. Wks., 208 City Hall, granite curbing and asphaltic cement paving 40,740 sq.yd. Garrison and Laclede Aves., Maffitt, Sacramento, Stoddard, and Meramec Sts., $26,440; willite resurfacing 8,476 sq.yd. Pendleton St., $27,520; granite curbing and warrenite bitulithic paving 24,765 sq.yd. Reber Pl., Kossuth and Loughborough Sts., $136,910. W. W. Horner, City Hall, engr.

Tex., Houston—Feb. 4, by Comrs. Harris Co., shelling Battle Ground Rd. and Genoa Interurban Rd., graveling Alief Clodine Rd.; resurfacing Bellaire Blvd. and Kirby Dr. $100,000. Howe & Wise, co. engrs.

Calif., Burlingame—Feb. 4, by City Trustees, improving Bway between El Camino and San Mateo Dr., incl. 25,000 sq.ft. grading, 985 tons asphaltic concrete base, 60,000 sq.ft. asphalt concrete surface, 2,700 lin.ft. concrete curb and 2,300 sq.ft. concrete gutter. C. A. Torello, city engr. Noted Jan. 17.

Calif., Fresno—Taking bids improving Moroa and Vassar Aves., 122,123 sq.ft. grading, 2,722 lin.ft. curbing, 12,070 sq.ft. sidewalks and 88,562 sq.ft. asphalt paving. Former bids rejected. W. Stranahan, city engr. Noted Jan. 17.

Calif., Pacific Grove—Feb. 4, by City Trustees, improving Central and Fountain Aves., 175,000 sq.ft. grading, 175,000 sq.ft. of 3½ in. asphaltic concrete base with 1½ in. Warrenite bituminous surface pavement, 5,200 lin.ft. concrete curb and gutter, etc. H. D. Severance, city engr. Noted Oct. 4.

Calif., San Francisco—State Harbor Comn. receiving bids 70,830 sq.ft. 1½ in. Topeka wearing surface on concrete, 11,700 sq.ft. 2 in. Topeka wearing surface on timber deck, 1,980 sq.ft. seal coat wearing surface, all at China Basin; 76,120 sq.ft. 2 in. Topeka wearing surface on timber deck, 8,060 sq.ft. seal coat wearing surface on timber deck at Pier 34; 6,810 sq.ft. 2 in. Topeka wearing surface on timber deck on bulkhead wharf near Pier 14; 4,200 sq.ft. concrete fill at China Basin. Alternate bids will be submitted for Willite process Topeka wearing surface. State will furnish cement. Noted Dec. 6.

Calif., Stockton—Feb. 5, by Supervs. San Joaquin Co., improving Bainbridge Rd., 4,500 cu.yd. grading, 10,350 tons road gravel or 8,780 tons rock and 27 cu.yd. concrete (culverts), to exceed $25,000; Harney Lane, incl. 12,000 cu.yd. grading, 5,450 tons gravel and 25.78 cu.yd. concrete (culverts); Eight Mile Rd., 9,520 cu.yd. grading 9,930 tons gravel and 49.93 cu.yd. concrete (culverts), to exceed $25,000. F. E. Quail, co. surv.

Calif., Stockton—Feb. 5, by F. E. Quail, surv. San Joaquin Co., improving Taylor Ferry Rd., 3,000 cu.yd. grading, 10,710 tons rock, 1,035 bbl. asphaltic oil. To exceed $25,000.

BIDS RECEIVED

Maryland—State Rds. Comn., Baltimore, Jan. 15, paving Park Heights Ave., Contr. Bc-41, from P. Flanigan & Son, Harford Rd. and 25th St., Baltimore, 15,200 cu.yd. excav. $0.25, 44,500 sq.yd. 6-in. concrete base course 1.38, 44,000 sq.yd. bituminous surface course $1.57, 17,400 lin.ft. armored concrete curbing $0.82, etc., total $160,711. Noted Jan. 3.

Louisiana—State Hy. Comn., Raymond Bldg., Baton Rouge, grading and hard surfacing 5.9 mi. Federal Aid Project 143, Beggs-Palmetto Highway, St. Landry Parish, from A. L. Byrd, Melville, $67,785. Noted Dec. 20.

Tex., Cameron—Milam Co. grading, etc. 11.38 mi. State Highway 43, incl. 2,179 cu.yd. concrete, 195,947 lb. reinforcing steel, from J. E. Thomas, Rogers, $73,822. Noted Jan. 3.

Tex., Franklin—Robertson Co., grading and gravel surfacing 9.74 mi. State Highway 43-A, incl. 484 cu.yd. concrete, 31,395

Streets and Roads (Continued)

cu.yd. earth and 13,827 cu.yd. borrow excav., 39,008 lb. reinforcing, from Thomas & Ratcliff, Rogers, $36,536; 18,822 cu.yd. gravel to be furnished by county. Engrs. est. $77,260. Noted Dec. 27.

Tex., Robert Lee—Coke Co., grading, etc., 14.47 mi. State Highway 70 from Bronte to Nolan Co., 965 cu.yd. concrete, 70,000 cu.yd. earth and 33,000 cu.yd. borrow excav., 40,500 lb. reinforcing, and 11,477 mi. State Highway 70, from here to Bronte, incl. 1,435 cu.yd. concrete, from Hannah Constr. Co., Box 994, Waco, $40,552 and $45,750 respectively. Engrs. ests. $40,000 and $42,000.

Nevada—State Hy. Comn., Carson City, improving 17.59 mi. from Mormon Mesa to Nevada-Arizona State line, Route 6, Sect. H, Clark Co., 222,000 cu.yd. excav., 11,200 cu.yd. loading and screening, 29,400 yd. mi. hauling and 11,200 cu.yd. spreading gravel, 190 cu.yd. Class A and 220 cu.yd. Class B concrete, etc., from Dodge Bros. & Dudley, Fallon, $217,537. Noted Dec. 20.

Oregon—State Hy. Dept., Salem, Jan. 8. surfacing 16.9 mi. Roosevelt Highway, Coos Co., (1) 16,500 cu.yd. (a) broken stone or (b) crushed gravel base course (2) 18,000 cu.yd. (a) broken stone (b) crushed gravel top course, (3) 2,000 cu.yd. filler, from A. D. Kern, Exchange Bldg., Portland, (1a) $4.44 (2a) $4.44 (3) $0.75, total $178,005; P. Hennesey, Marshfield, (1b) $4.40 (2b) $4.37 (3) $0.80, $175,992.

California—State Hy. Comn., Sacramento, grading 8.2 mi. and concrete paving 3.5 mi. road between Huntington Beach and Corona, Del Mar, Orange Co., from W. S. Beal, Brawley, $188,025.

Calif., Compton—Improving streets from Oswald Bros., 366 East 58th St., Los Angeles, portion Raymond Ave., 35,597 sq.ft. grading $0.025, 35,597 sq.ft. of 5 in. concrete pavement $0.20, 12,400 sq.ft. walks $0.19, etc.; portion Hickory Ave., 63,440 sq.ft. grading $0.015, 63,440 ft. of 5 in. concrete pavement $0.20.

Calif., Los Angeles—Los Angeles Co., improving 4.06 mi. Las Flores Canyon and Hume Rds., 91,600 cu.yd. earth excav., shaping 21,418 lin.ft. roadbed, 38,076 sq.yd. oil and sand surface, etc., from Francisco & Ellington, 1232 West 5th St., $93,000; Pacific and Hanford Aves., etc., in Tract 4224, 69,422 cu.yd. excav., shaping, 25,791 lin. ft. concrete curb, 104,066 sq.ft. walks, 452,000 sq.ft. oil and screenings surface, from Butterfield-Sears Co., 410 6th St., San Pedro, $93,598. Noted Jan. 10.

Calif., Stockton — Improving portions Milton, Worth and East Anderson Sts., incl. 77,878 ft. of 4 in. crushed rock base with 2 in. asphalt concrete surface, etc., from F. C. McIntyre, Farmers & Merchants Bank Bldg., $22,755. Noted Dec. 27.

CONTRACTS AWARDED

N. Y., Syracuse—Rd. Contr. & Supply, paving Westminster Pl., Fellows and Roosevelt Aves., asphalt, to J. H. Gallup, Union Bldg., $19,037, $64,471 and $33,351 respectively; Spring St., bituminous concrete, and Kirkpatrick St., asphalt, to G. B. Dickison, Union Bldg., $25,394 and $51,962 respectively; Clairemont Ave., to Dale Eng. Co., Mann Blg., Utica, $23,112; Glenwood Ave., bituminous concrete, to F. J. Baker, University Blk., $28,675. Noted Dec. 20.

N. C., Raleigh — Concrete sidewalks, curbs, gutters and paving 80,000 sq.yd. various streets, asphalt on concrete, to R. G. Lassiter, Citizens Bank Bldg.

Fla., Punta Gorda—Charlotte Co., grading, etc., 10.885 mi. Project 564, Sect. of Rd. 5, 167,070 cu.yd. excav., 51,300 ft. untreated and 98,100 ft. untreated structural timber, 5,104 lin.ft. untreated and 3,320 lin.ft. treated trestle piles, to E. Chapman, Plant City, $83,991. Noted Nov. 29.

Alabama—State Hy. Dept., Montgomery, constructing 3.82 mi. road in Jefferson and Blount Counties, to J. Gwin, Birmingham, $110,476; graveling 8.77 mi. in Perry Co., to W. C. McCoy, La Fayette, $110,781; bridges on above roads, to C. W. Cooper, Oxford, $28,053.

Kentucky—State Hy. Dept., Frankfort, waterbound macadam paving 15.133 mi. Owenton-Georgetown Rd., 14 ft., State Project 49, Sect. A, Scott Co., to Georgetown Constr. Co., Georgetown, $293,206; rein.-con. paving 3.747 mi. Louisville-Bardstown Rd., 20 ft., Federal Aid Project 50, Sect. B, Jefferson Co., to Louis deCognets Co., 413 East Main St., Lexington, $191,209; grading 3.165 mi. Harlin-Pineville Rd., 24 and 28 ft., State Project 6, Sect. C, Harlan Co., to J. S. Lusk Co., Barboursville, $33,603. Noted Jan. 17.

Indiana — State Hy. Dept., Indianapolis, grading 9.698 mi. Federal Aid Rd. 68, Sect. B, 18 ft., Parke Co., to P. O. Leary, Terre Haute, $46,653. Noted Jan. 10.

Ia., Manchester—Paving, etc. 48 blocks, 51,130 sq.yd. 2-in. asphalt on 5-in. concrete, to Bryant Asphalt Paving Co., 807 Black Hawk Bank Bldg., Waterloo, $2.51 per sq.yd. Noted Dec. 20.

Kan., Topeka—Shawnee Co., concrete paving Federal Aid Project 177, Sect. A, to Stimson Constr. Co., Topeka, $127,762. Noted Dec. 6.

Mo., Richmond Heights (St. Louis, P. O.) —Grading, concrete curbing and guttering and paving Bellevue Ave., 17,600 sq.yd. asphalt trap rock on waterbound macadam, to Watson Constr. Co., Richmond Heights, $63,000. Engrs. est. $65,000. Noted Dec. 27.

Tex., Decatur—Wise Co., hauling and placing 33,125 cu.yd. gravel on State Highway 2, Federal Aid Project 14-B, to R. B. Sparks, Gaston Bldg., Dallas, $23,594; gravel to be furnished by county $26,500. Engrs. est. $50,000. Noted Jan. 17.

Tex., Del Rio—Val Verde Co., grading and gravel surfacing 13 mi. State Highway 12, 18 ft., to W. T. Montgomery, Alamo Bank Bldg., San Antonio, $93,733. Noted Dec. 27.

Tex., San Angelo—Tom Green Co., gravel surfacing 9.75 mi. highway from point 5 mi. north of San Angelo to Carlsbad, 16 ft., to Metcalfe & Thompson, San Angelo, $40,500.

Tex., Sierra Blanca—Hudspeth Co. grading and gravel surfacing 9.03 mi. State Highway 1, Federal Aid Project 399, 18 ft., to Valient & Toomey, F. & M. Bank Bldg., Ft. Worth, $30,532. Noted Jan. 17.

Okla., Davis — Grading and paving 4 blocks Main St., 6,115 sq.yd. concrete, 2,100 cu.yd. excav., to M. A. Swatek & Co., Security Bldg., Oklahoma City, $25,311. Noted Jan. 27.

Okla., Muskogee—Muskogee Co., gravel surfacing 6 mi. Boynton Rd., 63,000 sq.yd. gravel, to Salina Gravel Co., Manhattan Bldg., $27,665.

Nevada—State Hy. Comn., Carson City, improving 5.03 mi. between Carroll Summit and Campbell Creek Ranch, Project 56-B, Lander 2-A, Contr. 96, $58,200 cu.yd. excav., 1,900 cu.yd. load and screen selected material, 155 cu.yd. Class A concrete 2,350 cu.yd. riprap, etc., to K. Hodgman, Winnemucca, $103,948. Noted Dec. 20.

Oregon—State Hy. Dept., Salem, to Bauers & Bauers, Dayton, Wash., surfacing 22.7 mi. Old Oregon Trail, Umatilla Co., 4,000 cu.yd. broken stone base course $2.65 per cu.yd. 25,000 cu.yd. broken stone top course $2.65, 8,000 cu.yd. filler sand $0.75, etc., total $88,831.

California—State Hy. Dept., Sacramento, grading and surfacing with gravel or broken stone, 9.9 mi. between Bayha and Halfway Creek, Shasta Co., to Nevada Contg. Co., Fallon, Nev., $480,862; paving with Portland cement concrete, 16.2 mi. between San Diego and Oceanside, San Diego Co., to Jann & Bressi, McLaughlin Bldg., Los Angeles, $436,045; 7.2 mi. surfacing with gravel or broken stone, 4.3 mi. paving with Portland cement concrete between Schellville and Beltane, Sonoma Co., to Galbraith & James, San Mateo, $274,-261; grading 7.3 mi. between Truckee and Boca, Nevada Co., to Irey & Horden, Lodi, $67,852; paving 1.9 mi. with Portland cement concrete, between south Boundary and railroad near Galt, to Kaiser Paving Co., Amer. Bank Bldg., Oakland, $53,354. Noted Nov. 15, Jan. 3 and Jan. 17.

Calif., Lodi — Paving Garfield, Central and Harold Sts., 206,590 sq.ft. 2½ asphaltic concrete base with 1½ warrenite bituminous surface, to Clark & Henery Constr. Co., Chancery Bldg., San Francisco. Noted Jan. 3.

Calif., Oakland—Alameda Co., 18 ft. concrete pavement in towns of Pleasanton and Livermore, to Heafey-Moore-McNair, 2030 High St., $32,541. Noted Jan. 17

Calif., Salinas—Paving portion Main St., 110,980 sq.ft., remove present bituminous pavement and grade to binder course, 110,980 sq.ft. 1½ in. warrenite bituminous surface pavement; portions of North Main and Markets Sts. 55,326 sq.ft. grade roadway to cross-section and subgrade, 55,326 sq.ft. warrenite bituminous surface pavement, gutters, 500 tons base rock, etc., to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, $37,175. Noted Jan. 10.

Calif., Santa Ana—Improving streets to S. Finley, Santa Ana, Fairview Ave., 106,-213 sq.ft. regrading and 6 in. concrete pavement $0.23 ft., 3,670 ft. curb $0.60 ft., East 4th St., 1,338 sq.ft. regrading and 5 in. concrete pavement base $0.50 ft., 1½ in. asphalt concrete surface $0.30 ft.

Calif., Venice—Improving portion Grand View Ave., grading and paving with National pavement, concrete curbs, etc., to Braun, Bryant & Austin, 1680 4th St., Santa Monica, $28,825.

Industrial Works

PROPOSED WORK

Vt., Pownal—Mill—M. Manes, 138 Church St., North Adams, Mass., having preliminary plans prepared 1 story, 60 x 200 ft., rein.-con. and brick, plain foundation, here. To exceed $150,000 with equipment. Engineer and architect not selected.

Mass., Dorchester (Boston P. O.)—Factory—Natl. Can Co., 36 North Washington St., Boston, having revised plans prepared by Krokyn & Brown, 7 State St., Boston, and takes bids in spring, 1 story and basement, 120 x 160 ft., rein.-con. and brick, Locust St. $150,000.

Conn., Hartford—Lofts—Hartford Stove Repair Co., 94 Morgan St., having plans prepared by Berenson & Moses, 30 Allyn St., 2 story, brick and steel, plain foundation, Morgan St. $40,000.

Conn., Hartford—Repair and Warehouse —Bd. Water Comrs., 1026 Main St., having plans prepared by Whiton & McMahon, 36 Pearl St., 3 story, 150 x 200 ft., Homestead Ave. $150,000. Noted Jan. 17.

N. Y., Brooklyn —Bakery—General Baking Co., 342 Madison Ave., New York, having plans prepared 2 story, 212 x 255 ft., rein.-con., brick and steel, plain foundation, Washington Ave. near Lefferts Ave., here. $50,000. Private plans.

N. Y., Buffalo—Garage and Repair Shop —Natl. Biscuit Co., 245 Urban St., plans garage and repair shop, $45,000. Private plans.

N. Y., New York—Warehouse—J. F. Magan, c/o Goldner & Goldner, archts. and engrs., 47 West 42nd St., having plans prepared 10 story, 50 x 172 ft., brick, steel and stone, plain foundation, 161st St. near Morris Ave. $300,000.

N. C., Rhodhiss—Plants—Southern Power Co., 432 Church St., Charlotte, plans 2 plants; hydro-electric plant along Catawba River, here, and steam plant at Duncan, near Spartanburg, S. C. $5,000,000. W. S. Lee, 433 East Morehead St., Charlotte, engr.

N. Y., Schenectady — Warehouse — See "Buildings."

Pa., Johnstown—Plant—Johnstown Sanitary Dairy Co., South Side, plans 3 story and basement, 100 x 120 ft. milk plant, warehouse and garage rein.-con., brick and steel, Grant and Sherman Sts. $150,000.

Pa., Kane—Warehouse—Miles-Kane Co., Fraley St., plans warehouse, Fraley St. $75,000. Engineer and architect not selected.

Pa., Pittsburgh—Factory—Federal Electric & Radio Corp., Park Bldg., plans 1 story factory. $40,000.

Va., Winchester — Plant — Natl. Fruit Product Co. plans to rebuild pressing and drying unit recently destroyed by fire. $50,000 loss.

W. Va., Fairmont—Plant—West Virginia Chemical Co. plans addition to exceed $40,-000. W. C. McAdoo, mgr.

N. C., Greensboro—Factory—Blue Bell Overall Co. plans 2 and 3 story, 63 x 348 ft. addition to factory. $85,000. C. C. Hudson, pres.

N. C., Wilson—Plant—City plans to expend $186,500 enlarging and improving electric plant.

Fla., St. Petersburg — Electric Power Plant—Pinellas Power Co. plans electric power plant. $1,500,000. B. Latham, genl. mgr.

Fla., St. Petersburgh—Plant—A. B. Hale and associates, 1612 Highland Ave., Tampa, having plans prepared ice and refrigeration plant, here. $75,000. Private plans.

Tenn., Clarksville—Warehouse—Gulf Refining Co. purchased 40 x 60 ft. site on Franklin and 22nd Sts., for warehouse, includes 290 ft. railroad spur. $40,000.

Tenn., Cleveland — Factory — Cleveland Chair Co. plans 3 story, 80 x 100 ft. $65,000.

Tenn., Knoxville — Warehouse — C. M. McClung Co., West Jackson Ave., having plans prepared by R. F. Graf & Son, Arnstein Bldg., mill constructed warehouse. $100,000.

Tenn., Memphis—Garage and Store—D. Derman & A. Jett plan 2 story garage and store, covering 44,000 sq.yd., brick and concrete, South 3rd and Gayora Ave. $75,000.

Ky., Campbellsville—Warehouse—Burley Tobacco Growers Cooperative Assn. plans

Industrial Work (Continued)

to rebuild warehouse recently destroyed by fire. $60,000.

Ky., Ferguson—Shop Addition—Southern R.R. Co., Southern Railroad Bldg., Cincinnati, O., plans 1 story, 100 x 130 ft. addition to car repair shops. $75,000.

Ky., Louisville—Mill, etc.—W. J. Hughes & Sons Co., 14th and Maple Sts., plans to rebuild structures and lumber yard recently destroyed by fire. $150,000.

O., Bedford—Garage and Commercial—L. Abrams, Engineers Bldg., Cleveland, had plans prepared by G. Rudolph, Hunkin-Conkey Bldg., Cleveland, 1 and 2 story, 98 x 154 ft., brick, Main St., here. $60,000.

O., Carthage (Cincinnati P. O.)—Factory—Lunkenheimer Co., 74th St., having plans prepared by H. Hake, Telephone Bldg., Cincinnati, 1 story, 300 x 400 ft., 74th St. $300,000.

O., Cincinnati—Warehouse—Cincinnati & Suburban Bell Telephone Co., Telephone Bldg., plans warehouse to cover 2 acres, Woodburn Ave. along tracks of Norfolk & Western R.R. To exceed $150,000. H. Hake, Telephone Bldg., archt.

O., Cleveland—Foundry—Bowler Fdry. Co., 1688 Columbus Rd., having plans prepared by E. McGeorge, Stuyvesant Bldg., 1 story, 200 x 500 ft., brick and steel, Newburgh Ave. along tracks of South Shore R.R. $200,000.

O., Cleveland—Factory—L. Specht Co., 642 Frankfort Ave., plans 2 story and basement, brick and timber, West 6th St. $50,000. Private plans.

O., Cleveland—Garage and Salesroom—C. F. Thomas, 1478 East 116th St., plans 2 story and basement 66 x 139 ft., brick, West 25th St. and Henninger Ave. $40,000. Engineer and architect not selected.

O., Columbus—Plant—Dispatch Publishing Co., High and Gay Sts., having plans prepared by F. L. Packard, 16 East Broad St., and H. H. Heistand, associated archt., Eaton, 4 story and basement, 62 x 187 ft., rein.-con. and brick, South 3rd St. $400,000.

O., Vermillion—Factory—Lampe Constr. & Trading Co., plans factory. $50,000. E. G. Lampe, mgr. Engineer and architect not selected.

Ind., Bloomington — Factory — Showers Bros. Co., Bloomington, plans extensions to plant, also new factory. $200,000.

Ind., Evansville — Garage, Shop and Warehouse — Ideal Dairy Co., 7th and Penn. Ave., having preliminary plans prepared by A. E. Neucks, 515 Peoples Savings Bank Bldg., 2 story, 95 x 122 ft., rein.-con. addition, 7th and Penn. Aves. $50,000.

Ind., Greencastle — Plant — Mid-West Crushed Stone Co. plans to rebuild portion of plant recently destroyed by fire. $50,000. Engineer and architect not selected.

Ind., Indianapolis — Garage — Bd. Pub. Wks. having plans prepared by F. B. Hunter, State Life Bldg., 1 story, 50 x 105 x 200 ft., rein.-con. and brick, New York St. $75,000.

Ind., Indianapolis—Warehouse—Standard Sanitary Mfg. Co., Bessemer Bldg., Pittsburgh, Pa., having plans prepared by Hunting-Davis Co., Century Bldg., Pittsburgh, Pa., 2 story and basement, 162 x 204 ft., rein.-con., steel and brick, West Pratt St. $200,000.

Ind., Princeton—Garage—Byron Toney Motor Co. plans to rebuild garage recently destroyed by fire. $50,000.

Ind., Shelbyville — Cold Storage — C. P. and H. Sindlinger plan 1 story, brick. $40,000.

Wis., Arcadia—Shop—Trempealeau Co., c/o E. F. Rotering, highway comr., plans to rebuild 1 story repair shop, recently destroyed by fire, brick, plain foundation. $40,000. Engineer and architect not selected.

Wis., Janesville—Factory—Parker Pen Co., Division and Court Sts., plans 4 or 5 story, 113 x 132 ft., brick and concrete, plain foundation, South Bluff St. Engineer and architect not selected.

Wis., West Allis—Garage—Mertz-Knippel Co., 6520 Greenfield Ave., having plans prepared by R. Allison, 425 East Water St., Milwaukee, 1 story, 60 x 120 ft., brick and timber, plain foundation, Greenfield Ave. $40,000.

Wis., Wisconsin Rapids—Garage—J. E. Daly, 101 2nd St., having plans prepared by F. J. Henry, Wisconsin Rapids, 1 story, 54 x 100 ft., brick and concrete garage, plain foundation, 2nd St.

Ia., Cedar Falls — Factory and Office — Viking Pump Co. having plans prepared by J. L. Ralston, Waterloo, 2 story, 66 x 132 ft., brick and concrete. $40,000.

Minn., St. Paul—Factory—Twin City Bedding Mfg. Co., c/o F. and S. Yankelowitz, 474 University Ave., plans 2 story and basement, 50 x 160 ft., rein.-con. and brick, 479 University Ave. $90,000. Engineer and architect not selected.

Ark., Bethesda—Plant—Batesville White Lime Co., Ruddells, plans large hydrated lime building and chemical plant on quarry site near here, 3 kiln fire-proof calcining and hydrating plant 5 ton per hr., also 2 mi. narrow gauge railroad from plant to company's quarry. $150,000.

Tex., Houston — Laundry — Burkhart Laundry & Dye Wks., 1702 Capitol St., plans brick and concrete laundry. $45,000. Engineer and architect not announced.

Tex., Houston—Mill—C. S. E. Holland & Associates, Chamber of Commerce, plan cotton mill along ship channel. $750,000. Engineer and architect to be appointed at once.

Tex., San Antonio—Plant—Beacon Hill Ice Co., 216 Garza St., having plans prepared by L. Harrington & Co., engrs., Houston Bldg., 2 story, 80 x 160 ft., brick and rein.-con. $100,000.

Okla., Tulsa—Ice Plant—Pub. Serv. Co., 107 East 4th St., taking bids 1 story, 106 x 135 ft., brick, concrete and steel addition. $60,000. Ice making equipment $160,000. Atkinson & Olston, 202 Mid-Continent Bldg., archts.

Okla., Tulsa—Shops—See "Railways."

Calif., Fresno—Ice Plant—Peoples Ice Co., 2035 Bway. purchased 75 x 150 ft. site on Bway. and Woodward Ave., for additions. $40,000.

Calif., Los Angeles — Factory — White-Smith Furniture Mfg. Co., 1634 East 1st St., having plans prepared by F. D. Chase Co. Inc., Title Insurance Bldg., 60 x 550 ft., brick and mill construction, incl. dry kilns, boiler room, lumber sheds, etc.

Calif., Los Angeles—Ice Storage—Jefferson Ice Co., 157 East Jefferson St., having plans prepared by E. J. Borgmeyer, California Bldg., 5 story, 100 x 148 ft., rein.-con. $95,000.

Calif., Los Angeles—Roundhouse, etc.—Union Pacific R.R. Co., 610 South Main St., plans 11-stall brick addition to roundhouse, $70,000; 40 x 300 ft. frame and corrugated iron warehouse. $18,000, frame and corrugated iron building for Construction Dept., near Belvedere Gardens.

Calif., Los Angeles — Storage Plant — Mack International Motor Truck Co., 1628 East 7th St., plans 1 and 2 story, 275 x 965 ft. rein.-con., Alameda St. $200,000.

Calif., Los Angeles—Warehouse—Pacific Southwest Warehouse Co., 1600 East 6th St., having plans prepared 2 story, 100 x 400 ft., rein.-con. addition, 6th and Clarence Sts. Private plans.

Calif., Los Angeles—Warehouse—Pioneer Pacific Worsted Co., Hibernian Bldg., plans warehouse, 175,000 sq.ft. floor space, probably fireproof, in Harbor Dist.

Calif., San Francisco—Warehouse—Redlick-Newman Furniture Co., Mission and 17th Sts., having plans prepared by M. I. Schwartz, Nevada Bank Bldg., 3 story and basement, 50 x 160 ft., brick and concrete addition. $45,000.

Calif., Seal Beach—Power Plant—Los Angeles Gas & Electric Corp., 645 South Hill St., Los Angeles, plans 288,000 hp. power plant on 8 acre site, here.

Calif., Tulare—Plant—W. J. Higdon, interested in company which plans powdered milk plant. $75,000.

Ont., Chatham—Plant—Green River Bottling Co., plans new plant here. $65,000.

B. C., Port Coquitlam—Mill—D. M. Hartnell & Co., Port Hammond, having plans prepared new saw mill here. $200,000.

BIDS DESIRED

Pa., Pittsburgh—Factory—Jan. 28, by B. H. Prack, archt., Keystone Bldg., 4 story and basement, 61 x 143 ft. concrete, brick and steel addition to plant, Braddock Ave., for Mine Safety Appliance Co., Braddock Ave. $100,000.

Pa., Pittsburgh — Warehouse — W. E. Snaman, archt., Empire Bldg., will build 4 story and basement, 159 x 291 ft. warehouse, Beaver Ave., for Rosenbaum Co., 6th and Penn Aves. Work will be done by separate contract.

O., Cleveland—Garage—C. E. Tyler, 3172 East 80th St., taking bids 1 story and basement, 40 x 136 ft., brick and steel, East 80th St. $40,000. T. C. Cerny, 4025 East 52nd St., archt.

O., Cleveland—Garage—See "Buildings."

BIDS RECEIVED

Calif., Los Angeles—Warehouse and Loft—Western Wholesales Drug Co., 200 South Los Angeles St., 6 story and basement, 60 x 150 ft., rein.-con., Los Angeles St. from C. L. Peck, H. W. Heliman Bldg., $172,600. Noted Jan. 17.

Calif., Sacramento—Garage—J. Rasmussen, c/o F. A. Foale, archt., Ochsner Bldg., 2 story, rein.-con., I St. near 8th St., from Campbell Constr. Co., Nicolaus Bldg., $47,240.

CONTRACTS AWARDED

Mass., Salem—Plant—Naumkeag Steam Cotton Co., Salem, 1 story, 146 x 475 ft. weave shed and 110 x 320 ft. cloth factory, brick, plain foundation, Washington St., to W. T. Reed Co., 201 Devonshire St., Boston.

R. I., Pawtucket—Boiler House Extension—Blackstone Valley Gas & Electric Co., 48 x 80 ft. addition to boiler house, brick and steel, general contract to Stone & Webster Inc., 147 Milk St., Boston. $350,000.

N. Y., Brooklyn—Foundry—T. A. Digan, Inc., 656 3rd Ave., 2 story, 50 x 100 ft., rein.-con., brick and steel, plain foundation, 3rd Ave., to Caye Constr. Co., 356 Fulton St. Archts. est. $75,000.

N. Y., New York—Repair Shop—G. A. Whalen, comr. Plant & Structures, Municipal Bldg., central motor repair shop, 16th St. and Ave. C, to Willetts Constr. Co., 280 Madison Ave., $2,325,000. Noted Jan. 3.

Pa., Butler—Plant—Butler Packing Co., 1, 2 and 5 story, 31 x 80 ft. addition to plant, to Walker & Curley, Sharpsburg. $40,000.

Pa., Paoli — Sales and Service — W. T. Matthews, West Chester Pike and Lancaster Ave., 2 story, 60 x 115 ft. brick and steel, sales and service station, plain foundation, to A. W. Tupplee, Paoli.

Pa., Zelionople—Plant—Iron City Sanitary Mfg. Co., 1 story, brick and steel plant, to Pittsburgh Bridge & Iron Wks., Rochester, $150,000.

N. C., Balfour—Balfour Mill Co., Asheville, mill buildings incl. warehouse, boiler house, brick, here, to Fiske-Carter Constr. Co., Greenville, S. C.

N. C., Wilmington — Warehouse — Amer. Molasses Co., large warehouse, 2 m.g. steel storage tank, several smaller concrete storage tanks, and rebuilding docks, to W. Clark, Wilmington, $250,000.

Fla., Jacksonville — Assembly Plant — Ford Motor Co., Highland Park (Detroit P. O.), Mich., 1 story, 200 x 500 ft., rein.-con., steel and brick, wood pile foundation, 8th St. and St. Johns River, here, to Irwin & Leighton, 12th and Cherry St., Phila., Pa. Noted Dec. 20.

Fla., Tampa—Plant—Tampa Electric Co., Tampa and Cass Sts., altering and constructing brick and steel addition to generating plant, also equipment, to Stone & Webster, Inc., 147 Milk St., Boston, Mass., $950,000.

La., New Orleans — Warehouse — Louisville & Nashville R.R., 229 St. Charles St., 50 x 935 ft. concrete and steel warehouse, Julia St., to Doullut & Williams Inc., Howard Ave., $500,000. Noted Dec. 27.

Tenn., Knoxville—Garage—Clinch-Locust Garage Co., 2 story, 100 x 250 ft., concrete and steel, Locust Ave., to A. R. McMurry, Knoxville. Archts. est. $75,000. Noted Jan. 10.

O., Dayton—Warehouse—Kroger Grocery & Baking Co., 813 Main St., Cincinnati, 2 story, 150 x 150 ft., rein.-con. and brick, plain foundation, Hopeland St., here, to Frank Hill Smith, Inc., Winters Bldg., $150,000.

O., Lakewood (Cleveland P. O.)—Garage—H. A. Dempsey, 17419 Clifton Blvd., 1 story, 50 x 136 ft., brick and tile, 13300 Madison Ave., to J. M. Daugherty, 1604 Lauderdale Ave. Archts. est. $40,000.

O., Lakewood (Cleveland, P. O.)—Garage, etc.—Marked Motor Corp., 13,316 Madison Ave., 2 story, brick and steel garage, service station and salesroom, Madison and Clarence Aves., to J. M. Daugherty Building & Constr. Co., 1604 Lauderdale Ave. Archts. est. $45,000. Noted Jan. 17.

O., Lorain — Bakery — J. Spang Baking Co., 2701 Barber Ave., 2 story and basement, brick addition, to L. A. Burgett Co., Lorain. Archts. est. $50,000. Noted Dec. 27.

O., Toledo—Bakery—Mills, Rhines, Bellman & Nordhoff, archts., Ohio Bldg., 3 story and basement, 132 x 265 ft., rein.-con. and brick, plain foundation, Summit St., to H. J. Spiker Co., Elm St., for Holland Bread Co. Archts. est. $200,000. Noted Jan. 17.

Ind., Richmond—Plant Addition—Richmond Light, Heat & Power Co., plans additions to gas plant. Work includes in-

Industrial Work (Continued)

stalling an 8-ft. gas set, generator, pumps, etc. $85,000. Work will be done by day labor under supervision of Eng. Dept. $85,000.

Mich., Calumet — Crusher — Calumet & Hecla Co., will build 2 story brick and timber crusher at ore mine, by day labor. Private plans.

Minn., St. Paul—Garage—Piper & Drake Co., 809 1st Natl.-Soo Line Bldg., Minneapolis, 1 story, 175 x 180 ft., brick, tile and steel, Smith Ave. near Chestnut St., here, general contract to M. Schumacher, 39 Dell Pl., Minneapolis. Total $60,000.

Mo., St. Louis—Garage—M. Toder, 5370 Pershing Ave., 1 story, 75 x 280 ft., brick and concrete, Pershing Ave., to J. H. Schroeder, 3845 Louisiana Ave. Archts. est. $45,000.

Tex., Dallas — Cotton Gin — Continental Gin Co., 3315 Elm St., will build cotton gin, brick, 3315 Elm St., by day labor. $40,000. Private plans.

Calif., Emeryville — Factory — Westinghouse Electric Co., 62nd and Powell Sts., 3 story, rein. con. factory, to Dinwiddie Constr. Co., Crocker Bldg., San Francisco, $300,000. Noted Jan. 17.

Calif., Los Angeles—Bottling Plant—Los Angeles Brewing Co., 1920 North Main St., 2 story, rein.-con. and brick, to Darrell-Condley Co., Marsh-Strong Bldg., $45,000. Noted Jan. 3.

Calif., Los Angeles—Creamery—Bothell Creamery Co., 4809 South Vermont St., 1 and 2 story, 50 x 100 ft., brick, 15th St., to May & Grimwood, Inc., Hass Bldg.

Calif., Los Angeles—Factory—Commercial Fixture Co., 914 South Alameda St., 1 story and mezzanine, brick and steel, to Austin Co. of California, Bartlett Bldg., $75,500. Noted Jan. 10.

Calif., Los Angeles—Factory—Republic Brass & Mfg. Co., 1931 Violet St., 1 and 2 story, to contain 69,000 sq.ft. of floor space, brick and corrugated iron, 27th St., to May & Grimwood, Hass Bldg.

Calif., Los Angeles—Garage—Los Angeles Gas & Electric Corp., 645 South Hill St., will build 1 story, 134 x 134 ft., brick and steel, 6th St., by day labor.

Calif., Los Angeles — Garage — M. T. Mancha, 1801 West 43rd St., 1 story, 90 x 150 ft., brick, Washington St., to Mathis Constr. Co., 753 South San Pedro St.

Calif., Los Angeles — Garage — F. H. Randall, 1132 North Vermont St., 1 story, 50 x 150 ft., brick, Vermont Ave., to Hillock & Son, 1107 Harcourt Ave.

Calif., Los Angeles—Ice Plant—Kirker Ice & Cold Storage Co., 5930 South Main St., rein.-con., to J. H. Weller, Bank of Italy Bldg. To exceed $40,000.

Calif., Los Angeles—Shop—Los Angeles Welding & Mfg. Co., 1146 South Los Angeles St., 1 story, 50 x 110 ft., brick, to Alexander Constr. Co., 260 South Pacific Blvd., Huntington Park (Branch of Los Angeles).

Calif., Los Angeles—Warehouse—Western Ave. Storage Co., 4 story, rein.-con., Western Ave., to Richards-Neustadt Constr. Co., Trust & Savings Bldg., $54,000.

Calif., Oakland—Garage and Warehouse—East Bay Water Co., 512 16th St., will build 1 and 2 story, concrete, 21st and Adeline Sts., by day labor. $48,750.

Calif., Pasadena—Garage—C. R. Luton & Co., Western Mutual Bldg., 1 story, 65 x 115 ft., brick, West Colorado St., to V. P. Gilbert, Citizens Natl. Bank Bldg., Los Angeles.

Calif., Point Firmin—Factory—Southern California Cordage Co., brick and corrugated iron, to Austin Co. of California, Bartlett Bldg., Los Angeles, $65,000.

Calif., Sacramento—Garage—J. Rasmussen, 2 story, rein.-con., I St. between 7th and 8th Sts., to Campbell Constr. Co., Nicolaus Bldg., $47,240.

Calif., San Francisco—Garage—B. Getz, Chronicle Bldg., will build 1 story, brick, Geary St., by day labor. $42,000.

Calif., San Mateo—Plant—Peninsula Ice Delivery Co., 1 story, 50 x 150 ft. ice plant, concrete, San Mateo Dr., to S. A. Sidnom, 2nd and A Sts., $52,000.

Calif., Santa Monica—Garage, etc.—F. and H. McMahan, 1 story, 135 x 150 ft. brick, Euclid Ave., to Western States Constr. Co., Marsh-Strong Bldg., Los Angeles, $55,000.

Buildings

PROPOSED WORK

Mass., New Bedford — High School — School Com. having plans prepared by Browne & Poole, 688 Pleasant St., and takes bids early in spring 2 story and basement, 150 x 225 ft. addition. rein.-con. and brick, concrete foundation, Morgan St. To exceed $200,000.

Conn., New London—High School—City plans 3 story, brick and stone, plain foundation. $500,000. D. St. C. Donnelly, Plant Bldg., archt.

Conn., Waterbury—Church—First Lutheran Church Society plans church, Grove St. $150,000. H. C. Freimuth, pastor. Engineer and architect not selected.

Conn., Waterbury — School — School Bd. plans school, Lakeville St. $150,000. Engineer and architect not selected.

Conn., West Hartford (Branch of Hartford)—School—School Bd. plans brick and steel, plain foundation, Seymour Ave. $150,000. M. L. H. Bugbee, supt. Engineer and architect not selected.

N. Y., Albany—Hospital—Albany Hospital, North Scotland Ave., having plans prepared by W. D. Rockefeller, archt. and engr., North Scotland Ave., 3 story, 150 x 200 ft., brick and steel addition, plain foundation. $700,000. Noted Apr. 5.

N. Y., Brooklyn—Apartment—M. Courtland, archt. and engr., 389 5th Ave., New York, preparing plans brick, steel and stone, plain foundation, Ocean Ave., here. $200,000. Owners name withheld.

N. Y., Buffalo—School—Bd. Educ., 1400 Telephone Bldg., rejected bids Dec. 27, P. S. 71, 3 story, 200 x 225 ft., rein.-con. and brick, Lang Ave. Noted Jan. 17.

N. Y., Harrison—School—Bd. Educ. soon takes bids brick, steel and stone. $300,000. Tooker & Marsh, 101 Park Ave., New York City, archts. and engrs. Noted Sept. 6.

N. Y., Kings Park—Hospital—State Hospital Comn., Albany, soon takes bids memorial hospital, here. $1,000,000. S. W. Jones, state archt.

N. Y., New York—Apartment Hotel—T. C. Du Pont, c/o McKim, Mead & White, archts. and engrs., 101 Park Ave., having plans prepared brick, steel and stone, plain foundation, 5th Ave. and 59th St. $18,000,000.

N. Y., New York—Apartment—Fifty-Six East 86th St. Corp., c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., having plans prepared 15 story, brick, steel and stone, plain foundation, 59 East 86th St. $1,500,000.

N. Y., New York — Apartment — J. F. Halligan, c/o Murgatroyd & Ogden, archts. and engrs., 389 Lexington Ave., having plans prepared brick, steel and stone, plain foundation, East 59th St. $5,000,000.

N. Y., New York — Apartment — D. S. Lang, archt. and engr., 110 West 34th St., preparing plans 100 x 100 ft., brick, steel and stone, plain foundation, Faile St. $150,000. Owners name withheld.

N. Y., New York — Apartment — G. G. Miller, archt. and engr., 1482 Bway., preparing plans 5 story, brick, steel and stone, plain foundation, Nelson Ave. $200,000. Owners name withheld.

N. Y. New York — Bank and Office — Harriman Natl. Bank, 527 5th Ave., having plans prepared by J. R. Pope, 15 West 46th St., brick, steel and stone, plain foundation, 531 5th Ave. $3,000,000. Noted June 14.

N. Y., Schenectady—Store and Warehouse—R. C. Reynolds, Inc., 257-259 River St., Troy, having plans prepared by S. Lee, archt. and engr., Proctor Bldg., Troy, 4 story, 80 x 120 ft. addition to sales building, and 3 story, 64 x 110 ft. warehouse addition, brick and steel, plain foundation, here. $200,000.

N. J., Morris Plains—Hospital—State Hospital Comn., Trenton, plans 8 buildings, here. $2,000,000. A. B. Mills, State Office Bldg., Trenton, archt.

N. J., Trenton—Hospital—Dirs. McKinley Hospital, Brunswick Ave., plan addition. $150,000. N. A. K. Bugbee, 231 West State St., chn. Engineer and architect not selected.

Pa., Butler—Bank and Office—Butler Savings & Trust Co. having plans prepared by Mowbray & Uffinger, 221 West 57th St., New York City, 8 story and basement, 60 x 120 ft. brick and steel, Main St. $350,000.

Pa., Camp Hill — Clubhouse — Manufacturers Club, Broad and Walnut Sts., Phila., having plans prepared by Seeburger & Rabenald, Weightman Bldg., Phila., 2½ story and basement, 60 x 130 ft. stone, plain foundation. $150,000.

Pa., Phila.—Apartments—C. H. Wunder, archt., 1520 Locust St., will prepare plans for several apartment houses, 57th St. and City Line. $2,500,000. Owner's name withheld.

Pa., Wilkes-Barre—Clubhouse — Knights of Columbus Council 302, plans clubhouse, South Main St. $150,000. Engineer and architect not selected.

W. Va., Beckley — High School — Bd. Educ. having plans prepared by W. B. Ittner, 911 Locust St., St. Louis, Mo., 2 story and basement, 110 x 200 ft. $200,000.

W. Va., Huntington—Court House—Feb. 20 (extended date), by Cabell Co., 3 story addition. R. S. Douthat, clk.; adv. E. N.-R. Jan. 24.

N. C., Asheville—Church—Central Methodist Church, c/o Chamber of Commerce, plans to expend $700,000 for additions and enlargements to present church, incl. 3 story, 50 x 100 ft. addition, Church St.

N. C., Asheville—Church—Central Methodist Episcopal Church having plans prepared by R. H. Hunt & Co., archts., James Bldg., Chattanooga, Tenn., 3 story, 50 x 100 ft. addition to church also 40 x 60 ft. extension to main auditorium. $200,000.

N. C., Burlington — Hotel — Burlington Hotel Corp. plans hotel. $300,000. Engineer and architect not announced.

N. C., Charlotte—Municipal—City plans large municipal building. $250,000 or more.

N. C., Durham—Church—Trinity Methodist Church plans church. $300,000. W. W. Peele, pastor.

N. C., Gastonia—Bank—Citizens Bank plans new building on site of present bank, 2 story and basement. $150,000. A. G. Myers, pres.

N. C., Hickory—High School—Jan. 29, at office J. W. Bailey, city mgr., high school, steel frame, slow burning construction. $225,000.

N. C., Shelby — Office and Bank — Fish Natl. Bank plans 6 or 8 story, La Fayette St. $250,000.

N. C., Wilmington—Court House—Jan. 28, by Comrs. New Hanover Co. 4 story and basement, 64 x 118 ft., steel and rein.-con., Princess St. $160,000. L. N. Boney, Murchison Bldg., archt. Former bids rejected. Noted Dec. 6.

N. C., Wilson—Court House—Comrs. Wilson Co. rejected bids 3 story and basement, court house and jail. Will modify plans and readvertise soon. H. B. Lane, chn. Bd. Comrs.

Fla., Daytona—Bank and Office—R. L. Selden and associates having plans prepared by J. J. Baldwin of Anderson & Gaffney, Daytona, 9 story, brick and concrete. $300,000.

Fla., Lakeland—Home—Brotherhood of Carpenters & Joiners, 222 East Michigan St., Indianapolis, Ind., plans home for aged on 1,700 acre site, here. $5,000,000. Engineer and architect not selected.

Fla., Pensacola—Hotel and Theatre—Pensacola Apartment & Theater Co. c/o W. B. Harbeson, pres., having plans prepared by G. L. Rapp, 190 North State St., Chicago, 6 story, 154 x 196 ft., steel frame. $700,000.

Fla., St. Petersburg—Hotel—Springstead Corp., 434 1st Ave., N., plans 7 story hotel, Beach Dr. and 3rd Ave., N. $500,000. H. S. Chase, 84 State St., Boston, Mass., treas. Engineer and architect not selected.

Fla., Sanford—Hotel—W. R. Griffin and associates plan hotel, Park Ave. and Seminole Blvd. $500,000.

Fla., Titusville — Brevard Co. election Jan. 21, to vote on $42,000 bonds grading and paving with rock, marl or asphalt, 10.5 mi. Courtney, Otsino and Range Line Rds.

Miss., Jackson—Store—W. J. Clancy, Memphis, had plans prepared by R. Spencer, Goodwin Institute, Memphis, brick and terra cotta, Capitol and Gallatin Sts., here. $100,000.

La., Shreveport—Church—First Presbyterian Church plans to build church, Jordan St. $300,000.

Tenn., Jackson—Sanitorium—J. L. Crook having plans prepared by P. A. Heavener, Jackson, 2 story, brick and terra cotta addition. Noted Oct. 2.

O., Cleveland — Apartment — L. Arnoff, 11118 Clifton Blvd., having plans prepared by G. Rudolph, Hunkin-Conkey Bldg., 3 story and basement, 40 x 205 ft., brick, East Overlook Rd. $200,000.

O., Cleveland—Apartment Hotel—Hotel Croyden, c/o A. H. Bramson, Fidelity Mortgage Bldg., plans 4 story, brick addition, 3907 Prospect Ave. $150,000. Engineer and architect not selected.

O., Cleveland — Apartment — Elworthy-Helwick Co., 733 Prospect Ave., having plans prepared by G. A. Ebeling, Hunkin-

Buildings (Continued)

Conkey Bldg., 3 story, brick and timber, Eddy Rd. $175,000.

O., Cleveland—Apartments—M. Lessovitz and L. Fishman, 2673 East 53rd St., having plans prepared by M. Altschuld, 5116 Woodland Ave., two 2 story and basement, 36 x 151 ft., brick, 14225 Coit Rd. $200,000.

O., Cleveland—Bank and Office—Pearl St. Savings & Trust Co., West 25th St. and Clark Ave., plans brick bank and office, on lot 100 x 180 ft., West 25th St. and Clark Ave. $300,000. Engineer and architect not selected.

O., Cleveland — Church — St. Ignatius Roman Catholic Church, 10205 Lorain Ave., plans 1 story, brick, steel and stone, Lorain Ave. and West Blvd. $400,000. T. A. Hanrahan, pastor. Engineer and architect not selected.

O., Cleveland — Restaurant and Office — Clark Restaurant Co., 1730 East 24th St., plans 2 story, brick and steel, Euclid Ave. $150,000. Engineer and architect not selected.

O., Cleveland—Theater and Commercial —A. Greenwald and S. H. Stecher, 535 Society for Savings Bldg., having plans prepared by N. Petti, Williamson Bldg., 2 story and basement, 77 x 200 ft., brick, steel and concrete, West 25th St. and Clark Ave. $200,000.

O., Cincinnati — Clubhouse — Queen City Club, 7th and Elm Sts., having plans prepared by James Gamble Rogers, archt., 367 Lexington Ave., New York City, and H. Lake, associated archt., Telephone Bldg., Cincinnati, brick, steel and stone, plain foundation, 4th and Bway. Sts., $350,000.

O., Cincinnati—Exchange—Cincinnati & Suburban Bell Telephone Co., Telephone Bldg., plans 2 story, rein.-con., plain foundation, Hamilton and Knowlton Sts. $250,000. H. Hake, Telephone Bldg., archt.

O., Columbus — Loan, etc. — Ohio State Saving Assn., 44 East Broad St., having sketches made 42 x 118 ft. and 42 x 130 ft., building and loan structure, brick, stone and concrete, Gay and 3rd Sts. $300,000 or more. Engineer and architect not selected.

O., Ravenna — School — Bd. Educ. soon takes bids 2 story and basement, 93 x 112 ft., brick and concrete. $175,000. Miller & Son, 408 Dollar Bldg., Youngstown, archts.

O., Sandusky—Hotel—Midwest Hotel Co. plans 7 story, 210 room, Columbus Ave. and West Water St. $300,000. J. H. Herman, 423 Hancock St., interested in project.

O., Shaker Heights (Cleveland, P. O.)—Schools—Bd. Educ., Woodland and Woodbury Rds., plans 1 high and 2 grade schools, brick, steel and concrete. $1,000,000. J. W. Main, clk. Engineer and architect not selected.

Ind., Indianapolis — Apartment — Mary Stewart Apartment Co., c/o E. B. Hadley, archt., State Life Bldg., plans 3 story and basement, rein.-con., steel and brick. $150,000.

Ind., Indianapolis — Club — Jan. 29, by Rubush & Hunter, archts., 428 Amer. Central Life Bldg., 12 story and basement, 74 x 131 x 139 x 220 ft., granite limestone, terra cotta, steel, etc. Monument Circle, for Columbia Club. $1,000,000. T. A. Wynne, pres.

Ind., Kokomo — Church — St. Andrews Parish plans church. $150,000. C. E. Bigler, pastor. Engineer and architect not selected.

Ind., Michigan City — Apartment — F. Warren having plans prepared by Ahlgrim & Boonstra, Michigan City, 8 story and basement, 80 x 165 ft., rein.-con., steel and brick, Franklin St.

Ind., Ossian—School—School Trustees of Jefferson Twp., Bluffton, plans bond issue for high and elementary school, here. $150,000. G. W. Todd, Bluffton, trustee. Engineer and architect not selected.

Mich., Detroit—Clubhouse—Book Estate, Book Bldg., having plans prepared by L. Kamper, 3729 Cass Ave., 32 story, 352 ft. high, 50 x 80 ft. rein.-con., brick and steel, caisson foundation, Washington Blvd. $2,000,000.

Mich., Detroit—Office—C. F. Smith Co., 625 West Grand Blvd., having plans prepared by A. Kahn, 1000 Marquette Bldg., 3 story and basement, 70 x 80 ft. rein.-con., brick and stone, plain foundation, West Grand Blvd. $150,000.

Mich., Flint—School—Bd. Educ. having plans prepared by Malcomson & Higginbotham, 1219 Griswold St., Detroit, 3 story, rein.-con., brick and steel, plain foundation, Oak Grove. $750,000.

Ill., Chicago—Apartment—H. H. Goodfriend, c/o Newhouse & Bernham, archts., 4630 Prairie St., plans 3 story, 100 x 114 ft., fireproof, Drexel St. near 47th St. $275,000.

Ill., Chicago—Apartment—S. Vihon, c/o D. S. Klafter, archt., 64 West Randolf St., having plans prepared 3 story, 100 x 150 ft., fireproof, Kinsball and Ainslie Sts. $200,000.

Wis., Elkhart Lake—Sanatorium—Sheboygan Co., c/o G. W. Wisselink, chn., Hingham, having plans prepared by E. A. Stubenrauch, Img Bldg., Sheboygan, 3 story, 103 x 304 ft., brick, rein.-con. and steel, plain foundation, here. $150,000.

Wis., Kimberly—High and Grade School —School Dist. 3 soon takes bids 2 story and basement, brick, tile and concrete, plain foundation. $150,000. M. Kettenhafen, clk. Oppenhamer & Obel, Nicollet Bldg., Green Bay, archts.

Wis., La Crosse—Church—Evangelical Lutheran Church of Holy Trinity, c/o S. Roth, pastor, 1122 Ferry St., had plans prepared by Merman & Skogstad, Linker Bldg., superstructure, 2 story, 50 x 116 ft., brick and tile. $150,000. Noted Nov. 1.

Wis., Madison — Theatre, etc. — E. M. Micholson, 1949 Winnebago St., plans 2 story, theatre, store and office building, brick, rein.-con. and steel, plain foundation, Atwood St. $150,000. Engineer and architect not selected.

Wis., Milwaukee—Apartment—S. Ettenheim & Sons, 209 Grand Ave., having preliminary plans prepared by Lindl, Lesser & Schutte, archts., 82 Wisconsin St., brick and concrete, plain foundation. $300,000.

Wis., Milwaukee—Apartment—W. Lillydahl, Jr., 579 Frederick Ave., plans 3 story and basement, brick and concrete, plain foundation, East Side. $150,000. Engineer and architect not selected.

Wis., Milwaukee — Bank — Natl. Exch. Bank, 367 Bway., plans brick and concrete, plain foundation, East Water St. $200,000-$300,000. Engineer and architect not selected.

Wis., Milwaukee—Church—Saron Evangelical Congregation, c/o H. H. Ebert, pastor, 1116 29th St., plans 2 story, brick and tile, plain foundation, Locust St. $150,000. Engineer and architect not selected.

Wis., Milwaukee — School — Jan. 31, by Leiser & Holst, archts., 105 Wells St., 2 story and basement, 90 x 100 ft., brick, tile and concrete, plain foundation. Fond du Lac Ave., for Zion Lutheran Congregation, c/o W. Matthes, 818 21st St., pastor. $150,000.

Wis., Milwaukee—Store and Apartment—Pentage Realty Co., c/o G. Psimaras, pres., 525 Marshall St., plans 2 story and basement, brick, tile and concrete, plain foundation. $150,000. Engineer and architect not selected.

Wis., Redgranite — City Hall, etc. — A. Berkholtz plans 3 story, 100 x 120 ft., city hall, opera house and store building, rein.-con., steel and brick, plain foundation. Engineer and architect to be selected soon.

Wis., Whitewater—School—Bd. Normal Regents, W. S. Kettle, secy., Madison, having plans prepared by A. Peabody, Capitol, Madison, 3 story, 60 x 140 ft. main building, rein.-con., brick and steel, plain foundation, at State Normal School, here. $210,000.

Wis., Verona—Asylum—Dane Co., c/o M. Sommers, chn., Madison, plans asylum, here. $200,000. A. D. Conover, engr., Tenney Bldg., Madison, taking bids on structural steel, steel sash, window guards, and copper screens for entire superstructure.

Ia., Waterloo—Hotel—Arcade Hotel Corp. having plans prepared by Proudfoot, Bird & Rawson, Hubbell Bldg., Des Moines, 6 story and basement, 150 x 210 ft., rein.-con., brick and terra cotta, plain foundation, 5th and Sycamore Sts., $1,000,000.

Kan., Kansas City—Court House—Wyandotte Co. plans court house. $1,000,000. W. Beggs, clk.

Neb., Columbus—High School—Bd. Educ. having plans prepared by Fiske & Meginnis, 533 Bankers Life Bldg., Lincoln, rein.-con., brick and stone. $300,000.

Neb., Lincoln—Asylum—Nebraska State Hospital having plans prepared by Fiske & Meginnis, 533 Bankers Life Bldg., 3 story, 33 x 211 ft. concrete, brick and stone. $150,000.

Neb., Lincoln—Hospital Fairview Methodist Congregation having plans prepared by Fiske & Meginnis, 533 Bankers Life Bldg., rein.-con. and brick. $400,000.

Neb., Omaha — Clubhouse — Knights of Columbus, 2301 Harney Ave., having preliminary plans prepared by L. A. Daly, 622 Peters Bldg., 6 story and basement, 146 x 152 ft. rein.-con., brick and steel. $500,000.

Mo., Canton—Dormitory—College Christian College plans 3 story dormitory to replace one recently destroyed by fire. $150,000. Engineer and architect not selected.

Mo., Kansas City—School—Redemptorist Fathers, 325 Hunter St., having revised plans prepared by E. P. Madorie, 1106 Continental Bldg., 3 story and basement, 168 x 168 ft. rein.-con., brick, steel and stone, Hunter Ave. $350,000. Noted Jan. 3.

Mo., St. Louis—Sunday School—Centenary Methodist-Episcopal Church, 16th and Pine Sts., soon takes bids 3 story and basement, brick, concrete and stone, Pine St. $150,000. Madran, Russell & Crowell, Chemical Bldg., archts.

Ark., Pine Bluff—Temple—Sahara Temple, A.A.O.N.M.S. of A. F. & A. M., c/o C. H. Bohlinger, secy., plans temple to replace one recently destroyed by fire. $200,000. Engineer and architect not selected.

Tex., Dallas — Home — Methodist Sanitarium, c/o J. H. Groseclose, supt., having plans prepared by De Witt & Lemmon, Southwestern Life Bldg., concrete and brick nurses home, Oak Cliff. $150,000.

Tex., San Antonio—Home—Churches of Protestant Orphans Home plan home on Woodlawn Ave. and Hondera Rd. $150,000-$200,000. Engineer and architect to be selected soon.

Tex., San Antonio—Office—San Antonio Builders Exch., 201-207 Bedell Bldg., plans 6-8 story, brick and rein.-con. $150,000.

Okla., Bristow—School—City takes bids about Feb. 1, 3 story, 71 x 150 ft., brick and concrete. $150,000. C. L. Curran, Groom Bldg., archt. Noted Nov. 29.

Okla., Guthrie—Sanitarium and Dormitory—A. F. & A. M. Lodge having plans prepared by Hawk & Parr, Cotton Exch. Bldg., Oklahoma City, 4 story, 90 x 180 ft., brick, plain foundation, Harrison St. $150,000.

Okla., Tulsa—Depot—See "Railways."

Wash., Seattle — Apartment — University Improvement Co., 605 Minor Ave., having plans prepared by E. Beckett, 605 Minor Ave., 4 story and basement, 120 x 134 ft., concrete and steel, 1400-16 Boren Ave. $150,000.

Ore., Portland—Synagogue—Beth Israel Congregation, plans rebuilding synagogue, 12th and Main Sts., recently destroyed by fire. $300,000. M. S. Hirsch, 205 Burnside Ave., pres.

California — Exchanges, etc. — Pacific Telephone & Telegraph Co., 333 Grant Ave., San Francisco, appropriated $40,000,000 for 1924 general construction program, in addition to construction of exchange buildings (and purchasing sites for same), $8,400,000 will be used for central office equipment, $2,500,000 for inter-city communication system and toll line system, etc.

Calif., Hollywood—Hotel—S. B. Birds archt., Frost Bldg., Los Angeles, preparing plans 4 story and basement, 75 x 175 ft., brick, Santa Monica Blvd., here. Owner's name withheld.

Calif., Livermore—Sanitarium—Del Valle Preventorium, c/o H. H. Meyers, archt., Kohl Bldg., San Francisco, having plans prepared five structures, second unit of tuberculosis sanitarium. $150,000.

Calif., Long Beach—Hotel—Long Beach Hotel Co., c/o Weeks & Day, archts., California Insurance Bldg., San Francisco, having plans prepared 12 story and basement, rein.-con., here. $2,000,000.

Calif., Los Angeles — Apartment — W. Marsh, et al., c/o T. Jewell, archt., Pacific Finance Bldg., having plans prepared 3 story and basement, 115 x 140 ft., frame and stucco, East Bway.

Calif., Los Angeles — Club — Jonathan Club, Pacific Electric Bldg., had plans prepared by Schultze & Weaver, Pacific Mutual Bldg., 12 story, 180 x 195 ft., brick and steel, 6th and Figueroa Sts. $2,000,000. Noted Dec. 6.

Calif., Los Angeles—Hotel—J. Toplitzky, H. W. Hellman Bldg., interested in syndicate which is having plans prepared by Schultze & Weaver, Pacific Mutual Bldg., 13 story, brick and steel, 7th and Bixel Sts. $5,000,000.

Calif., Los Angeles—Hotel, Apartment, Theatre and Office—C. H. Walters et al., 1153 South Norton St., plans 6 story and basement, 100 x 150 ft. hotel, rein.-con., Vermont Ave., to exceed $150,000; 3 story office and theatre, rein.-con., Vermont St., to exceed $300,000; 3 story, 100 x 150 ft. apartment, frame and plaster, Vermont St. $150,000. J. Frauenfelder, Story Bldg., archt.

Buildings (Continued)

Calif., Pasadena—College—Plans election to vote on bonds for junior college buildings.

Calif., Sacramento — Exchange — Pacific Telephone & Telegraph Co., 333 Grant Ave., San Francisco, plans 8 story, concrete and steel, J St. between 14th and 15th Sts., here. $175,000.

Calif., Sacramento—Theater—H. Blumfield, c/o Reid Bros., archts., 105 Montgomery St., having plans prepared fireproof motion picture theater, 33rd St. and Sacramento Blvd. $150,000.

Calif., San Bernardino—High School—San Bernardino Junior High School Dist. having plans prepared by H. E. Jones, Katz Bldg., and D. Mitcham, San Bernardino, 2 story, 225 x 250 ft., fireproof.

Calif., San Francisco—Apartment—W. C. Mahoney, archt., 892 Union St., preparing plans 4 story and basement, rein.-con., Franklin St. $150,000. Owners name withheld.

Calif., San Francisco—Apartment—W. C. Mahoney, archt., 892 Union St., preparing plans 5 story and basement, rein.-con., Leavenworth St. near Union St. $150,000. Owners name withheld.

Calif., San Francisco—Office—San Francisco Chamber of Commerce, Merchants Exch. Bldg., plans fireproof. To exceed $150,000.

Calif., San Francisco—Store and Office—Kiernan-O'Brien Realty Co., Alexander Bldg., having plans prepared by A. H. Knoll, Hearst Bldg., remodeling and reconstructing 3 story store and office, and erect adjoining 1 story, 75 x 150 ft. market, Mission and 22nd Sts. $200,000.

Calif., San Mateo—Theatre and Store—E. Arkbush et al, c/o Weeks & Day, archts., California Insurance Bldg., San Francisco, having preliminary plans prepared rein.-con., here. $200,000.

Calif., San Pedro—Hotel—B. O. McCormick Co. having preliminary plans prepared by M. R. Lawson, San Pedro, 4 story, fireproof, 11th St. and Pacific Ave. To exceed $175,000.

Calif., Woodland—High School—Woodland Union High School Dist. having preliminary plans prepared by W. H. Weeks, 369 Pine St., San Francisco, brick and concrete, to replace one recently destroyed by fire. To exceed $150,000.

Que., Montreal—High School—Protestant Bd. School Comrs., Belmont St., soon takes bids 1 story addition to high school, assembly hall and swimming pool, University St. $180,000. K. G. Rea, 285 Beaver Hall Hill, archt.

BIDS DESIRED

Mass., Middleboro — High School — Jan. 25, by School Com., 3 story and basement, 100 x 150 ft., brick, plain foundation. $225,000. E. I. Wilson, 109 State St., Boston, archt. Noted June 14.

N. Y., Amsterdam—Schools—Feb. 6, by Bd. Educ. Junior High School, H. F. Daly, 15 East Main St., archt.; also 2 grade schools, L. H. Niles, 5 Grove St., archt. G. L. Lockhart, Inc., 1353 University Ave., St. Paul, Minn., associated archt. Noted Sept. 6.

N. Y., Bellaire (Jamaica P. O.)—School—Feb. 7, by Bd. Educ., 500 Park Ave., P. S. 109, brick, steel and stone, plain foundation, 92nd Ave. and 213th St., here. Former bids rejected. W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, archt. Noted Jan. 17.

N. Y., Brooklyn—School—Feb. 7, by Bd. Educ., 500 Park Ave., New York, P. S. 201, brick, steel and stone, plain foundation, 22nd Ave. and 80th St., here. Former bids rejected. W. H. Gompert, Flatbush Ave. extension and Concord St., archt. Noted Jan. 17.

N. Y., Marcy—House—Feb. 6, by State Hospital Comn., Albany, house for assistant superintendent, at Utica State Hospital, Marcy Div., here. S. W. Jones, state archt.; adv. E. N.-R. Jan. 24.

N. J., Bordentown—Dormitory—Feb. 1, by Bd. Educ., State House, Trenton, 3 story, 55 x 175 ft., for Manual Training & Industrial School for Colored Youths, here. $187,000. Guilbert & Bettelle, Commerce Bldg., Newark, archts. Noted Jan. 10.

N. J., Cedargrove—Hospital—Feb. 8, by G. C. Bergen, purch. agt. Essex Co., Court House, Newark, 3 story and basement, 50 x 456 ft. reception building, and 2 story and basement, 80 x 450 ft. convalescent building, brick, plain foundation, at Overbrook Hospital, here. $1,000,000. F. S. Sutton, 402 Broad St., Newark, archt. Runyon & Carey, 845 Broad St., Newark, engrs.

N. J., Irvington—High School—Feb. 20, by Bd. Educ., brick, steel and stone, plain foundation, to contain 2,000,000 cu.ft., Clinton Ave. W. A. Sherman, secy. Noted Oct. 25.

Pa., East Washington—High School—Jan. 28, by Bd. Educ., 1 story and basement, 85 x 167 ft. $150,000. G. H. Schwan, Peoples Bank Bldg., Pittsburgh, archt. Noted Jan. 10.

Pa., Johnstown—Hospital—Bd. Trustees Cambria Co. taking bids and opens same about last week in February, 3 story and basement, 80 x 320 ft. hospital with 1 story wings, on suburban tract. $250,000. W. R. Myton, 1204 First Natl. Bank Bldg., archt.

Pa., Phila. — Apartment — Jan. 25, by Hoffman-Henon Co., archts., Finance Bldg., three 4 story and basement, 46 x 104 ft. brick and steel, plain foundation. City Line and Bryn Mawr. Owners name withheld. Noted Dec. 20.

Del., Claymont—School, etc.—Feb. 11, by Bd. Educ., 60 x 197 ft. main building for elementary and high school, also 61 x 66 ft. auditorium and gymnasium. $250,000. W. G. Robelen, pres.

Md., Baltimore—Apartment—Feb. 1, by C. H. Hebrank, archt., Strathmore Ave., 4 story, brick, plain foundation, 39th St. and University Parkway, for Stony Run Apartments, c/o architect. $175,000.

Md., Baltimore — Church, Community Building and Parsonage—Feb. 5, by F. J. Heldrich, archt., 1156 Longwood St., 1 and 2 story, 71 x 175 ft., stone, Reistertown Rd. and Elgin Ave., for St. Johns Concordia Evangelical Lutheran Church. $150,000.

N. C., Fayetteville—Office—Jan. 28, by Directors Natl. Bank of Fayetteville, 10 story and basement. $300,000. Noted Nov. 1.

O., Akron—High School—Feb. 19, by Bd. Educ. constructing Garfield High School, Firestone Park. $800,000. M. M. Konarski, 102 South Union St., archt.

O., Akron—Municipal—Mar. 1, by Bd. Control, 8 story, South High St. $900,000. Council authorized sale of $600,000 bonds this week. Good & Wagner, 209½ Water St., archts. Noted Nov. 22.

O., Cleveland — Apartment — L. Pulin, 10725 Bryant Ave., taking bids 3 story and basement, 38 x 160 ft., brick, East 88th St. $175,000. Braverman & Havermaet, Ulmer Bldg., archts.

O., Cleveland—Commercial and Garage—J. Babin, Williamson Bldg., taking bids and opens same about Feb. 2, 3 story and basement, 55 x 160 ft., brick and steel, 3602 Euclid Ave. $150,000. N. Petti, Williamson Bldg., archt. Noted Nov. 29.

O., Cleveland — Hospitals — Crowell & Little Constr. Co. (advisors to owners) 3715 Prospect Ave., taking bids and open same about Feb. 15, for superstructure of two 7 story, 71 x 157 ft. and 142 x 148 ft., brick and rein.-con., 11020-50 Euclid Ave., for Babies & Childrens Hospital, c/o A. Garfield, archt., Natl. City Bldg. $3,300,000.

Mich., Mt. Pleasant—Infirmary—Jan. 29, by P. Thompson, clk. Isabella Co., 2 story and basement, rein.-con., brick and steel, plain foundation. $160,000. Fisher Bros., 24 West Huron St., Pontiac, archts.

Mich., St. Johns—High School—Feb. 4, by C. A. Putt, secy. Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation. $175,000. S. D. Butterworth, 909 Pruden Bldg., Lansing, archt.

Ill., Chicago—Apartment—J. H. Klafter, archt., 127 North Dearborn St., taking bids 3 story, 75 x 125 ft., fireproof, Lincoln and Aubert Sts., for S. Dulkin, c/o architect. $150,000.

Ill., Chicago—Apartment—W. M. Samuels, 38 North Dearborn St., taking bids 3 story, fireproof, Leland and Talman Sts. $150,000. P. F. Olsen, 720 Cass St., archt.

Ill., Chicago — Apartment — W. Story, 1251-77 West Washington St., taking bids 3 story, 60 x 120 ft., fireproof, Greenview and Thorndale Sts. $150,000. R. C. Ostergren, 155 North Clark St., archt.

Ill., River Forest — Church and Parish House—Feb. 1, by Holmes & Flinn, archts., 8 South Dearborn St., Chicago, 1 and 2 story, 61 x 112 ft. and 85 x 95 ft., brick, stone and concrete, Quick St., for 2nd Presbyterian Church. $200,000. Noted Jan. 10.

Ill., Waukegan—Business—Feb. 15, by J. Blumberg, 112 South Genesse St., 5 story, 90 x 134 ft., brick and concrete, plain foundation. $200,000. A. Epstein, 2001 West Pershing Rd., Chicago, archt. and engr.

Wis., Chippewa Falls—School—Bd. Educ. taking bids 2 story, 20 room, brick, steel and concrete. $150,000. P. T. Cahill, 4502 Prospect Ave., Cleveland, O., archt.

Kan., Coffeyville — Hotel — Feb. 5, by Shepard & Weiser, archts., R. A. Long Bldg., Kansas City, Mo., 6 story and basement, 100 rooms, rein.-con. and brick, for Coffeyville Building and Improvement Co. $175,000.

Minn., Northfield — Home — Feb. 8 (extended date), by I.O.O.F. of Minnesota, A. L. Bolton, 604 Pittsburgh Bldg., St. Paul, secy., superstructure for 3 story, 93 x 146 ft., rein.-con., brick and tile, here. Total $150,000. W. L. Alban, 347 Endicott Bldg., St. Paul, archt. Noted Jan. 17.

Minn., St. Paul—High School—Jan. 29, by H. W. Austin, city purch., 3 story and basement, 150 x 250 ft. with 2 story, 48 x 90 ft. wing, rein.-con., brick and tile, Blair and Lefond Sts. $400,000. F. X. Tewsem, City Hall, archt. Noted Feb. 8.

Tex., Brownwood—Hotel—A. Moore taking bids 6 story, 80 x 140 ft., brick, stone and rein.-con., plain foundation. $160,000. H. S. Green, Alamo Bank Bldg., San Antonio, archt.

Calif., Livingston—High School—Trustees Merced Union High School Dist. receiving bids 1 story, rein.-con. school with auditorium. $200,000. W. H. Weeks, 369 Pine St., San Francisco, archt.

Calif., Long Beach—Bank and Office—Curlett & Beelman, archts., Union Bank Bldg., taking bids on steel for 13 story, 75 x 150 ft. rein.-con., brick and steel, Pine Ave. and 1st St., for Security Trust & Savings Bank, 502 South Spring St., Los Angeles.

Calif., Los Angeles — Church — H. L. Pearce, archt., Wright-Callendar Bldg., receiving bids frame and plaster, West Hollywood Dist., for Crescent Heights Methodist Episcopal Church. $200,000.

Calif., Los Angeles—Hall—Feb. 4, by Supervs., Los Angeles Co., furnishing and erecting granite for Hall of Justice. To exceed $150,000. Noted Apr. 12.

Calif., Santa Ana—Jail—Jan. 29, by Supervs. Orange Co., jail. $175,000. F. Benchly, Fullerton, archt.

Calif., Santa Barbara — Temple — C. Werner, archt., Santa Fe Bldg., San Francisco, receiving bids 3 story and basement, rein.-con., for Santa Barbara Masonic Temple Assn., c/o architect. $200,000. Noted Dec. 6.

BIDS RECEIVED

O., Willoughby—High School—Bd. Educ., 2 story, 73 x 93 ft., brick, concrete and metal lumber, from Payne & Beymar, Painesville, $115,067. Noted Nov. 1.

Mich., Ironwood—School—Bd. Educ., Jan. 15, 3 story and basement, rein.-con., brick and tile, from Bartleson & Ness, Minot, N. D. $755,000.

Calif., Los Angeles — Los Angeles Co., furnishing 3,000 tons structural steel and iron work for first 3 story unit of Museum, Art and Science, Exposition Park, from Llewllyn Iron Wks., Redondo and Main Sts., $193,750. Noted Jan. 3.

Calif., San Rafael—Dormitories, etc.—J. J. Foley, archt., 770 5th Ave., San Francisco, five 2 story, rein.-con. dormitories, gymnasium and chapel, here, from J. A. Bryant, 185 Stevenson St., San Francisco, for Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco. To exceed $150,000. Noted Jan. 17.

CONTRACTS AWARDED

N. Y., Albany—Sales Terminal and Motor—E. B. Stratton Motor Corp., 25 Washington Ave., 4 story, 66 x 75 ft., and 4 story, 66 x 226 ft., brick and steel, Washington Ave. and Elks St., to J. N. Finn & Son, Albany. Noted Dec. 6.

N. Y., Buffalo—County—Erie Co., county building, Eagle St., to C. H. Everitt, 295 Auburn Ave., $279,165. Noted Dec. 6.

N. Y., New York—Apartment—Consolidated Constr. Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, 100 x 100 ft., brick, steel and stone, plain foundation, Morris Ave., by day labor, $250,000.

N. Y., New York—Loft—Bricken Constr. Corp., c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., will build 18 story, 100 x 150 ft., brick, steel and stone, plain foundation, 247 West 37th St., by day labor. $900,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., P. S. 80, brick, steel and stone, plain foundation, East Mosholu Parkway, to Niewenhouse Co., Inc., 316 East 161st St., $779,000 deduct $12,000. Noted Jan. 17.

Buildings (Continued)

N. Y., St. George—School—Bd. Educ., 500 Park Ave., New York, P. S. 16, brick, steel and stone, plain foundation, Daniel Low Terrace through to Monroe Ave., here, to Staten Island Constr. Co., Inc., 206 Bay St., Tompkinsville, $275,256. Noted Jan. 10.

N. J., Lawrenceville—Dormitory—Lawrenceville Preparatory School, 2½ story, 87 x 294 ft., brick and stone, to Matthews Constr. Co., Alexander St., Princeton, $226,000.

N. J., Montclair—Bank—Montclair Savings Bank, 441 Bloomfield Ave., brick, steel and stone, plain foundation, Bloomfield Ave., to J. S. and L. Carlson, Walnut St. Archts. est. $250,000. Noted Nov. 1.

N. J., Paterson—High School—Bd. Educ., 3 story, 250 x 300 ft., brick, steel and stone, plain foundation, Park Ave. and Market St., to McGee Constr. Co., 142 1st St., Newark. Archts. est. $1,000,000. Noted Oct. 18.

N. J., Summit—Church—St. Theresas Roman Catholic Church, 306 Morris Ave., brick, cast stone and limestone, plain foundation, Morris Ave., to G. D. McCarthy, 15 East 40th St., New York City. Archts. est. $250,000.

Pa., Homestead—Exchange—Bell Telephone Co., 416 7th Ave., Pittsburgh, 2 story and basement, 50 x 79 ft. Hazel Way and 9th Ave., to Conley & DeMey, 127 North Hiland Ave., Pittsburgh. Archts. est. $150,000.

Pa., Phila.—Bank—Stearns & Woodnutt, archts., St. Girard Bldg., 1 story, 70 x 114 ft. rein.-con., brick, steel and stone, plain foundation, 4344 Frankford Ave., for Frankford Trust Co., to F. V. Warren Constr. Co., 1913 Arch St. Noted Dec. 20.

Pa., Pittsburgh — Court House — Comrs. Allegheny Co., Court House, altering and remodeling court house, Grant St., to A. & S. Wilson Co., 541 3rd Ave. Archts. est. $150,000.

Md., Baltimore — School — Pub. Impvt. Com., 3 story and basement, 111 x 211 ft., brick and concrete, plain foundation, Jackson Sq., Fairmont Ave. and Fayette St., to P. C. Streett Eng. Co., 406 St. Paul St., heating and ventilating in general contract. Noted Jan. 17.

Md., Baltimore—Store—Hutzler Bros., Howard and Saratoga Sts., 5 additional stories, 74 x 102 ft. and 96 x 118 ft., to B. F. Bennett Building Co., 123 South Howard St., $500,000. Archts. est. $550,000. Noted Jan. 3.

Md., Baltimore — Store — Trustees Mercantile Trust and Deposit Co., Calvert and Redwood Sts., 4 story, 40 x 70 ft., Franklin and Charles Sts., to D. M. Andrew Co., Mt. Vernon Ave. and 26th St., $150,000. Noted Jan. 3.

N. C., Greensboro—Store—Meyers Department Store, 4 story and basement, 65 x 157 ft., granite, terra, cotta and brick, Elm and Sycamore Sts., to Angle & Moser, Greensboro.

O., Cleveland—Apartment—B. Benjamin, 9917 Parkgate Ave., 3 story and basement, brick, 2036 East 100th St., to Winuker Bros., 9305 Pierpont Ave. Archts. est. $325,000. Noted Nov. 29.

O., Cleveland—Apartment—S. Rosen, 608 St. Clair Ave., N.W., 3 story and basement, 37 x 112 ft., brick, 10206 Wilbur Ave., to M. Berkoff, 3346 East 135th St. Archts. est. $150 000.

Mich., Ann Arbor—Nurses Home—A. Kahn, archt., 1000 Marquette Bldg., Detroit, 4 story and basement, 250 rooms, rein.-con., brick and steel, plain foundation, Ann St., for University Hospital, to H. G. Christman Co., 315 Stevens Bldg., Detroit, $1,000,000. Noted Dec. 13.

Mich., Detroit—Nurses Home—Ford Hospital, West Grand Blvd., 5 and 6 story and basement, 152 x 260 ft. rein.-con., brick and steel, plain foundation, Byron Ave., to O. Misch & Co., 159 East Columbia Ave., $1,500,000.

Mich., Detroit—Nurses Home—Ford Hospital, West Grand Blvd., rein.-con., brick and steel, plain foundation, Hamilton Blvd., to O. Misch Co., 159 East Columbia St., $150,000.

Mich., Detroit—Office—Buhl and Co., Buhl Bldg., 26 story and basement, 120 x 187 ft. rein.-con., brick, steel and stone, Griswold St., to Davis & McGonigle Co., 1860 Penobscot Bldg., $5,000,000. Noted Dec. 6.

Mich., Flint—High School—Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation, to O. F. Miller Co., Kalamazoo, $515,000.

Ill., Chicago — Apartment — E. Wiltgen, 2356 Kenilworth St., 3 story, 91 x 169 ft., fireproof, 2346-54 Kenilworth St., to N. S. Constr. Co., 4431 North Kedgie St. Archts. est. $150,000.

Wis., La Crosse — Convent — Franciscon Sisters, 709 South 9th St., 4 story, 50 x 173 ft. and 21 x 33 ft., brick and concrete, plain foundation, to P. Nelson & Son, Newburg Bldg. Archts. est. $150,000.

Kan., Arkansas City — Theater — G. P. Burford, et al. 2 story and basement, rein.-con., brick and stone, 1,200 capacity, general contract to G. Gasman, Arkansas City. Est. cost $150,000.

Kan., St. Francis—Court House—Cheyenne Co., 3 story, 60 x 110 ft., concrete, brick and stone, plain foundation, on Square, general contract to T. Howard, Hutchinson. Archts. est. $150,000. Noted Oct. 4.

Mo., Kansas City—School—Bd. Educ., general contract 2 story and basement, 60 x 110 ft. addition to Bristol School, to G. Fuller Green Constr. Co., 424 Rialto Bldg., $190,000. Noted Nov. 29.

Ark., Morrillton — Office — First Natl. Bank, 5 story and basement, brick, stone and concrete, to J. P. Jones, Morrillton, $175,000.

Okla., Tulsa—Church—Immanuel Baptist Church, 1502 East Burn St., 2 story, brick and stone, 2nd and Zanthus Sts., to O. Robinett, Tulsa. Archts. est. $150,000.

Colo., Denver—High School—Bd. Educ. general contract 2 and 3 story, brick and rein.-con., Humboldt and Franklin Sts. between 31st and 32nd Aves., from P. J. Sullivan, Barth Blk., $624,400 deduct $27,200 for terra cotta instead of Bedford stone; A. Danielson & Son, McMann Blk., $626,000 deduct $19,500 for terra cotta instead of Bedford stone.

Wash., Seattle — Medical — Metropolitan Bldg. Co., Henry Bldg., 7 story, rein.-con., 4th and University Sts., to Grant-Smith & Co., Henry Bldg., on cost plus basis. Archts. est. $750,000. Noted Oct. 4.

Calif., Long Beach — Church — Second Church of Christ Scientists, Markwell Bldg., rein.-con., 7th and Cedar Sts., to Trewhitt-Shields Co., Western Mutual Bank Bldg., Los Angeles, $150,000. Noted Nov. 8.

Calif., Los Angeles—Office—Cahn-McCabe Co., 716 South Spring St., 13 story and basement, 60 x 140 ft., brick and steel, 7th and Spring Sts., to Edwards, Wildey & Dixon, Black Bldg.

Calif., Oakland—Hospital Administration—Alameda Co., 4 story, rein.-con., to Clinton Constr. Co., 923 Foisom St., San Francisco, $483,800. Noted Dec. 6.

Calif., San Francisco—Apartment—A. Johnson, 47 Belvedere St., will build three 3 story and basement, frame and stucco, Van Ness Ave., by day labor. $50,000 each. Noted Jan. 17.

Calif., Santa Rosa—Exchange—Pacific Telephone & Telegraph Co., 333 Grant Ave., San Francisco, 3 story and basement, rein.-con. and steel, 2nd and B Sts., here, to Monson Bros., 251 Kearny St., San Francisco, $150,000.

Federal Government Work

PROPOSED WORK

Va., Hampton Roads—Breakwater Pier—Spec. 4944—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans repairs to north breakwater pier at Naval Base, here.

Ky., Louisville—Boilers—U. S. Engineer, P. O. Box 72, soon in market for 7 boilers, Scotch marine "wet back" type, for derrick boats.

Ky., Louisville—Crib Timbers—U. S. Engineer, P. O. Box 72, plans to purchase 410 pieces yellow crib timbers, 10 x 12 in. x 20 ft., about 82,000 ft.

Ky., Louisville—Swinging Engines—U. S. Engineer, P. O. Box 72, soon takes bids 5 swinging engines, double cylinder 7 x 10, for derrick boats.

Calif., Mare Island—Dike—Spec. 4941—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans additional riprapping longitudinal dike, here.

H. T., Pearl Harbor—Hospital—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans hospital here.

P. I., Cavite—Fire Protection—Spec. 4942—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans fire protection for Canacao Hospital, here.

BIDS DESIRED

Md., Baltimore—Roof—Feb. 12, by Treasury Dept., Superv. Architects Office, Wash., D. C., new roof over Call Room at U. S. Custom House, here; adv. E. N.-R. Jan. 24.

D. C., Wash.—Steel Piles—Feb. 5, by U. S. Engineer, War Dept., Wash., D. C., furnishing 3,155,000 lb. steel sheet piles, 30, 30 and 35 ft. long for Dams 45 and 46, Ohio River.

Fla., Jacksonville—Jetty—Feb. 6, by U. S. Engineer, Jacksonville, repairing jetty at entrance to St. Johns River; adv. E. N.-R. Jan. 24.

Ala., Florence—Cranes—Feb. 5, by U. S. Engineer, Florence, furnishing, and erecting electric traveling cranes, 150 tons, in power house at Wilson Dam, Tennessee River; adv. E. N.-R. Jan. 24.

Miss., Gulfport—Breakwater—Feb. 14, by U. S. Engineer, Mobile, Ala., pile and stone breakwater in Mississippi Sound, here; adv. E. N.-R. Jan. 24.

Ky., Louisville—Boiler Tubes—U. S. Engineer, P. O. Box 72, in market for 100 boiler tubes, 3 in. x 15 ft., No. 10 gage, lapwelded, charcoal iron.

Ky., Louisville—Pump—U. S. Engineer, P. O. Box 72, in market for one 12 in. dredging pump.

Ky., Owensboro — Hard Wood Piles — Jan. 29, by U. S. Engineer, P. O. Box 72, Louisville, furnishing 1,200 hard wood round piles 25 and 30 ft. long, for Dam 46.

Wis., Milwaukee—Cement—Feb. 20, at U. S. Engineer Office, Milwaukee, furnishing cement; adv. E. N.-R. Jan. 24.

Wis., Milwaukee—Steel Bars—Feb. 20, by U. S. Engineer, furnishing steel reinforcing bars; adv. E. N.-R Jan. 24.

Wash., American Lake—Laundry—Feb. 25, by U. S. Veterans Bureau, Room 791, Arlington Bldg., Wash., D. C., laundry building, here. F. T. Hines, dir.; adv. E. N.-R. Jan. 24.

Ore., Portland—Sand Pumps—Feb. 4, by U. S. Engineer, 2 sand pumps.

Calif., Humboldt Bay—Stone—Mar. 10 by U. S. Engineer, War Dept., furnishing 180,000 tons more or less of stone for north jetty here.

BIDS RECEIVED

D. C., Wash.—Filtration Plant, etc.—U. S. Engineer, 250 Old Land Office Bldg., Wash., D. C., filtration plant and pumping station substructures, etc. for Dist. of Columbia Water supply system, from C. H. Tompkins, 1612 Park Rd., (1) $0.83 (2) $3 (3) $0.30 (4) $50 (5) $18.60 (6) $12.90 (7) $10 (8) $0.054 (9) $0.11 (10) $0.13 (11) $35 (12) $35 (13) $400. Noted Dec. 20.

Ind., Leavenworth—Lumber—U. S. Engineer, P. O. Box 78, Louisville, Ky., 53,000 ft. white oak for Dam 44, Ohio River, from W. H. Dawkins Lumber Co., Parkersburg, W. Va., $135 per M. Noted Jan. 10.

Wis., Milwaukee—Scow and Barge—U. S. Engineer, Federal Bldg., 2 steel dump scows and one steel barge from Sturgeon Bay Dry Dock Co., Sturgeon Bay, $47,500. Noted Dec. 20.

CONTRACTS AWARDED

D. C., Wash.—Underpinning Foundations — Spec. 4934 — Bureau Yards & Docks, Navy Dept., Wash., D. C., underpinning foundations at Navy Building here, to Underpinning Foundation Co., 342 Madison Ave., New York City, $23,075. Noted Jan. 17.

Ga., Savannah—Dredging—U. S. Engineer, dredging in Savannah Harbor, to Seaboard Dredging Co., Durkee Bldg., Jacksonville, Fla., $119,074. Noted Dec. 6.

Calif., Mare Island—Fuel Oil Storage—Spec. 4717—Bureau Yards & Docks, Navy Dept., Wash., D. C., fuel oil storage at Navy Yard, to Butte Electric Equipment Co., 530 Folsom St., San Francisco, (6) $126,701. Noted Dec. 6.

Porto Rico—San Juan—Quarters—Spec. 4909—Bureau Yards & Docks, Navy Dept., Wash., D. C., quarters and auxiliary buildings at Naval Radio Sta., here, to M. Benitez Rexach, P. O. Box 905, $11,500. Noted Jan. 10.

Unclassified

PROPOSED WORK

Golf Course and Swimming Pool—West Hartford (Branch of Hartford), Conn.—Wampanoag Country Club, B. N. Carvalho, member, Bloomfield Ave., plans 36 hole golf course, $500,000; also swimming pool $150,000. Engineer and architect not selected.

Station Widening — Brooklyn, N. Y. — Transit Comn., 49 Lafayette St., New York, soon takes bids widening DeKalb Ave. subway station of B.-M. T. and providing platforms for express tracks. $140,000.

Jetty, etc.—Belmar, N. J.—Plans 500 ft. stone jetty at inlet, and 150 x 200 ft. swimming pool. C. Cook, Asbury Park Trust Bldg., Asbury Park, engr.

Unclassified (Continued)

Golf Course — Opelika, Ala. — Opelika Country Club plans golf course on 100 acre site. $25,000.

Swimming Pool — New Orleans, La. — Audubon Park Comn., Audubon Park, plans to build swimming pool, 385 ft. long, 200 ft. wide, also indoor pool, 100 ft. long, 40 ft. wide. $110,000. H. J. Neale, supt. and landscape archt.

Wharf—New Orleans, La.—Eng. Dept. of Dock Bd., 1 Canal St., preparing plans and takes bids about Mar. 1, raising timber wharf 900 ft. long, and 260 ft. wide, and ratproofing rear platforms of wharf at foot of Erato St., work involved is 260 ft. wide and 900 ft. long $450,000.

Fire Alarm System—South Bend, Ind.—City plans new fire and police signal alarm system. $110,000.

Park—South Bend, Ind.—City plans to expend $30,000 for improvements to Erskine Park, includes regrading playgrounds, etc.

Steam Heating Plant—Randon Lake, Wis.—St. Marys Catholic Congregation, c/o F. Hillenbrandt, pastor, having plans prepared for steam heating plant for church and school building. $25,000. J. E. Hinnen, Fond lu Lac, engr.

Subway—Wichita, Kan.—City completing plans subway under Terminal tracks, two 20 ft. roadways, two 6 ft. sidewalks. $150,000. R. L. Brockway, City Bldg., engr.

Voltage Line, etc.—St. Joseph, Mo.—St. Joseph Ry. Light, Heat & Power Co., 6th and Francis Sts., plans high voltage line 10 mi. through industrial district $50,000; 6 mi. distribution lines in residential section $65,000; coal handling crane, motor generator, boiler room signal system, coal crusher and other power plant improvements $200,000.

Levee—Lake Village, Ark.—See "Excavation, Drainage, Irrigation."

Park—Dallas, Tex.—J. C. Riner, Simpson Bldg., having plans prepared park, incl. concrete swimming pool, walks, drives, dance hall, etc. $100,000. Work will probably be done by day labor. G. Tuebner, 721 Ash Ave., Fairmont, Mo., engr.

Levee—Ferris, Tex.—Ellis Co. Levee Impvt. Dist. 5, Waxahachie, plans election soon to vote on $65,000 bonds for levee improvements, near here. C. T. Forest, Waxahachie, engr.

Retaining Wall—Highland Park, (Dallas P. O.) **Tex.**—Having plans prepared concrete retaining wall on Turtle Creek. $25,000. G. D. Fairtrace, city engr.

Street Lights — Lockhart, Tex. — See "Waterworks."

Stills—Port Arthur, Tex.—Texas Co. plans 4 new stills. $75,000.

Ventilation System—San Antonio, Tex.—Maverick Estate having plans prepared ventilation system for Maverick office building. Houston and Presa Sts. $25,000-$33,000. L. Harrington & Co., Houston Bldg., engrs.

Telephone Lines—California—See Buildings.

Fire Alarm System, etc.—Fresno, Calif.—Plans election to vote on bonds for installing 250 fire alarm boxes and extending police telegraph and flashlight systems. $25,000 or more. T. A. Stranahan, city engr.

Tennis Courts, Pavilion, etc.—Los Angeles, Calif.—Westward-Ho Club, c/o M. Hunt, Hibernian Bldg., having plans prepared tennis courts, dance pavilion, club house, landscape work, etc., Venice Blvd. To exceed $150,000.

Street Lighting System—Oroville, Calif.—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, appropriated $40,000, new poles and rewiring practically entire system, here.

Rock Crushing Plant—San Francisco, Calif.—Amer. River Bldg. Materials Co., 719 Crocker Bldg., J. E. Cook, interested, plans to build and equip rock crushing plant, bunkers, etc., on site bordering on American River. $50,000 or more.

Gas Mains—San Leandro (Branch of Oakland), **Calif.**—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, appropriated $32,500 for 20,000 ft. of 6⅝ in. high pressure gas line, here.

Ice Rink — Stratford, Ont. — Stratford Arena Co. plans steel and cement structure, will install artificial ice plant. $150,000.

BIDS DESIRED

Tower—New Orleans, La.—Feb. 14, by Bd. Port Comrs., Suite 200, New Orleans Court Bldg., unloading tower on wharf at coal handling plant; adv. E. N.-R. Jan. 24.

BIDS RECEIVED

Roadway Columns—New York, N. Y.—Transit Comn., 49 Lafayette St., Jan. 18, from Gotham Constr. Co., 220 Bway., removing roadway columns and reconstructing structure of Manhattan-Bronx Rapid Transit R.R. at East 177th St. (Tremont Ave.) and Boston Rd., Bronx Boro, Agreement "CV," 170 cu.yd. earth excav. $9 per cu.yd., 50 cu.yd. concrete $29,100 tons new steel $129, lump sum bid for rest of work $12,863, total $28,743. Noted Jan. 10.

CONTRACTS AWARDED

Gas Holder—New London, Conn.—Connecticut Power Co., gas holder, 1,000,000 cu.ft. capacity, steel plate on concrete foundation, to Stone & Webster Inc., 47 Milk St., Boston, $300,000.

Sprinkler System—Syracuse, N. Y.—C. E. Crouse, chn. State School for Mental Defectives, sprinkler system, to W. A. Alexander, 23 Charlotte St., Rochester, $18,999.

Shed—Baltimore, Md.—Baltimore & Ohio R.R., B & O Bldg., 1 story, 23 x 78 ft., timber, Fort Ave., to Frainie Bros. and Haigley, 19 West Franklin St. Archts. est. $80,000.

Rebuilding Dock, etc.—Wilmington, N. C.—See "Industrial Works."

Electrification—Dallas, Tex.—Texas Interurban R.R. Co., Interurban Bldg., electrification of 30 mi. Missouri, Kansas & Texas R.R. (under lease) from Dallas to Denton, $80,000, also 2 substations, $40,000 each, to R. Meriwether, c/o owner.

Gas Tank—Tacoma, Wash.—Tacoma Gas & Fuel Co., 250,000 cu.ft. gas tank, to Western Pipe & Steel Co., Oakland, Calif., $53,000.

Lighting System—Los Angeles, Calif.—Ornamental lighting system, to C. W. Sparks, Henne Bldg., $41,632. Noted Jan. 10.

Transit Shed—Los Angeles, Calif—City, steel transit shed, on Pier 1, to Lynch Constr. Co., 1117 Central Bldg., Los Angeles, $64,300. Noted Dec. 20.

Deck on Wharf — Sacramento, Calif. — City will build concrete deck on wharf, by day labor under supervision of A. Givan, city engr. $40,000.

Wharf — Pembroke, Ont. — Dept. Pub. Wks., Parliament Bldg., Ottawa, constructing new wharf here, to W. Bermingham, Kingston, $116,000. Noted Dec. 27.

Materials and Equipment

PROPOSED WORK

Stone — Newark, N. J. — G. C. Bergen, purch. agt. Essex Co., Court House, soon takes bids various sizes crushed stone for highway maintenance. $25,000. W. A. Stickel, Court House, engr.

Sweeper—Eau Claire, Wis.—Soon takes bids pickup street sweeper (power). O. E. Oien, city clk.

Road Roller—Milwaukee, Wis.—Milwaukee Electric Ry. & Light Co., Pub. Serv. Bldg., soon takes bids one 5 ton tandem gas road roller. P. H. Pinkley, c/o owner, engr.

Telephone Equipment — California — See Buildings.

Road Equipment—Beverly Hills, Calif.—City plans to purchase tractors, scarifiers, road rollers, rooters, graders, sweepers, asphalt kettles, etc. $25,000. J. C. Albers, city engr.

Street Sweeper — Fresno, Calif. — City plans to purchase auto street sweeper. $5,000 to $8,000. W. Stranahan, city engr.

Pipe—Glendale, Calif.—City plans to purchase 115 tons 4- to 12-in. Class B c.i. pipe.

BIDS DESIRED

Asphaltic Cement, etc.—Long Island City, N. Y.—Jan. 30, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 950 tons asphaltic cement in tight containers; 600,000 gal. road oil (cold application); 100,000 gal. asphaltic road oil (hot application); 150,000 gal. asphaltic macadam binder; 25,000 gal. asphalt for patching (cold application); 45,000 gal. fuel oil.

Steam Roller—Long Island City, N. Y.—Jan. 28, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 1 gasoline steam roller.

Tractor, etc.—Schenectady, N. Y.—Common Council in market for 5 ton tractor and snow plow.

Concrete Mixer, etc.—Cape May, N. J.—Jan. 31, by City Comrs., concrete mixer, tandem roller, scarifier, tractor and steel road forms; adv. E. N.-R. Jan. 24.

Crushed Stone, Gravel, etc.—Baltimore, Md. — Jan. 30, by Bd. Awards, furnishing and delivering during 1924 crushed stone and gravel, vitr. paving blocks, creosoted wood blocks, vitr. sewer pipe and cinders to Highway Eng. Dept. B. L. Crozier, City Hall, highway engineer.

Motor Flushers—Baltimore, Md.—Jan. 23, at office of City Register, furnishing one or more 1,500 gal. motor flushers. S. Purcell, ch. engr.

Tanks—Tampa, Fla.—Imperial Petroleum Corp. plans two 35,000 bbl. gasoline, one 20,000 bbl. gas, one 12,000 kerosene and two 35,000 bbl. fuel oil tanks, also many smaller tanks for lubricating oil. $350,000.

Rock Asphalt — Pass Christian, Miss. — Feb. 5, by Mayor and Alderman, c/o M. Farrell, city clk., City Hall, rock asphalt for street paving delivered f.o.b. Pass Christian in 250, 500 and 1,000 ton lots.

Gravel—Muncie, Ind.—C. A. Nottingham, P. O. 314, taking bids stripping, excavating, washing, grading and binning 50,000 cu.yd. gravel, 150 cu.yd. minimum daily output; adv. E. N.-R. Jan. 17 and 24.

Lumber—Milwaukee, Wis.—Jan. 28, by Central Bd. Purchases, City Hall, furnishing 113,000 ft. yellow pine lumber and 65,000 ft. oak lumber for Bureau Bridges and Buildings. $5,000.

Steam Roller, etc.—Oshkosh, Wis.—City c/o B. C. Meyer, comptroller, taking bids 12- to 15-ton steam roller with scarifying attachment. Private plans.

Pipe—Pierre, S. D.—Feb. 13, by State Hy. Comn., furnishing 75,000 lin.ft. concrete pipe, various sizes.

Shell—Houston, Tex.—Jan. 28, by Comrs. Harris Co., 10,000 tons shell. Howe & Wise, co. engrs.

Crane—Fresno, Calif.—Service Co., Valley Bank Bldg., in market for 20 ton locomotive crane.

Cranes—San Francisco, Calif.—Clover Valley Lumber Co., Alexander Bldg., in market for two 10 ton traveling cranes.

Crane—San Francisco, Calif.—Pacific Portland Cement Co., Pacific Bldg., in market for one 15 ton, 5 yd. bucket traveling crane.

Concrete—Pembroke, Ont.—See "Bridges."

BIDS RECEIVED

Valves and Connections—San Francisco, Calif.—City and San Francisco Co., 3 butterfly valves, 104 in. inside diam., one c.i. blind flange for one side of valve, 1 steel platform extending over valves, all operating mechanism for valves, bypass valves and connections, bolts and gaskets for joints, foundation and platform, Hetch Hetchy Moccasin Creek Power Plant, from J. Hendy Iron Wks., 75 Fremont St., $26,728. Noted Dec. 20.

CONTRACTS AWARDED

Asphaltic Cement, etc.—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., 600,000 gal. asphaltic cement to Warner Quinlan Co., 79 Wall St., $32,520; 2,500 cu.yd. sand grit to Colgan & Colgan, $5,275; 20,000 cu.yd. asphalt sand and 20,000 bags Portland cement, to W. F. Cunningham, $13,500 each; 500,000 wood paving blocks, to Southern Wood Preserving Co., 10 East 43rd St., $21,800; 120,000 gal. gasoline in tanks, to Standard Oil Co., 26 Bway., $15,136. Noted Jan. 17.

Road Oil—Madison, Wis.—Dane Co. Bd., c/o J. R. Caldwell, comr., 200,000 or more gal. road oil, to Amer. Tar Products Co., 208 South La Salle St., Chicago. Noted Dec. 20.

Portland Cement—Minneapolis, Minn.—F. S. Gram, city purch. agt., 125,000 bbl. portland cement as follows: Landers-Morrison-Christensen Co., 800 Builders Exch., 40,000 bbl.; P. B. Speakes Co., 2845 2nd Ave. S., 30,000 bbl.; Minneapolis Builders Supply Co., 721 Lumber Exch., 25,000 bbl.; L. W. Northfield Co., 2532 Central Ave., 15,000 bbl.; Hydraulic Press Brick Co., 1250 Builders Exch., 15,000 bbl. All foregoing at $2.50 per bbl. f.o.b. Minneapolis. Noted Jan. 17.

Transmission Towers — San Francisco, Calif. — City and Co. of San Francisco, transmission towers for Moccasin Creek power plant, to Pacific Coast Steel Co., Rialto Bldg., $274,224. Noted Dec. 20.

Fittings — Montreal, Que. — Montreal Light, Heat & Power Co., Craig St. W., to Canada Iron & Foundries Co., Three Rivers, furnishing 75 tons fittings, bell and spigot and flayed, faced and drilled $47.98 per ton, 228 tons 4 in. c.i. pipe $47.98, 90 tons 6 in. c.i. pipe $44,845, 2,464 tons 20 in. Class B c.i. pipe $44,845.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: Mar. 3.

Robert Street Bridge at St. Paul, Minnesota, for Ramsey County

St. Paul, Minn.

Sealed proposals will be received by the Board of County Commissioners of Ramsey County, Minnesota, at their offices in the Court House, in the City of St. Paul, until ten o'clock a.m., March 3, 1924, at which place and time the proposals will be publicly opened and read aloud.

The work to be done includes the bridge complete, together with street paving, curbs and sidewalks from 3rd Street to Fillmore Street, and miscellaneous building and sewer changes. The bridge will consist of 8 arch spans ranging in length from about 72 feet to 244 feet and having an aggregate length of about 1,086 feet; and approaches having a combined length of some 449 feet. The street improvements at both ends add a total length of about 403 feet. A number of retaining and supporting walls are included, especially in the portion between the end of the south approach proper and Fillmore Street. The bridge and approaches provide for a 56 foot roadway and two sidewalks.

Proposals shall be made in the form of the Proposal Blank prepared for this work. Each proposal shall be accompanied by a certified check or Bidder's Bond made payable to the Treasurer of Ramsey County, for an amount equal to ten per cent (10%) of the bid to be forfeited to the County as liquidated damages (not penalty) by any bidder who is awarded a contract and who fails to execute the contract and bond promptly. Certified checks will be returned to bidders upon execution of contract and bond or sooner upon action of the Board of County Commissioners. Proposals shall be placed in a sealed envelope with a statement thereon showing the work covered by the proposal and addressed and delivered to the County Auditor on or before the said date.

Plans, specifications and proposal blanks are on file at the office of the County Auditor and in the offices of Toltz, King and Day, Inc., Engineers and Architects, St. Paul, Minnesota. Copies of the plans, specifications and proposal blanks will be furnished upon payment to Toltz, King and Day, Inc., of $50.00 for each complete set, &25.00 of which will be refunded upon the return of plans and specifications in good condition within two (2) weeks after bids are received.

A bond satisfactory to the Board of County Commissioners for the full amount of the Contract price will be required.

This work will be paid for in cash. Monthly estimates equal to 85 per cent of the work done, and approved materials for construction delivered on the job during the month, will be paid to the contractor within fifteen (15) days after the allowing of same and a final estimate on the completed work will be paid within thirty (30) days after the same is accepted and approved by the Engineers and the Board.

Work is to begin within thirty (30) days after the signing of the contract, and must be completed by April 1st, 1926.

The Board reserves the right to reject any and all bids and to waive any informalities.

By Order of the County Board:
Dated at St. Paul, Minnesota.
January 14, 1924.

GEORGE J. RIES,
County Auditor of Ramsey County.

OFFICIAL PROPOSALS

Bids: Feb. 11.

Filtration Plant Addition—New Pump Plant Stand Pipe—Pipe Lines, Etc.

McKeesport, Pa., January 17th, 1924.

Sealed proposals will be received by the McKeesport City Council up to 12:00 Noon, Eastern Standard Time, February 11th, 1924, at the office of the City Clerk, for the building of the following items:

ITEM NO. 1—STRUCTURAL WORK BELOW OPERATING FLOOR.
(Includes all concrete below top surface of operating floor, reinforcing steel, excavation, backfill, and resurfacing for 4—1 m.g.d. filter units and pump room.)

ITEM NO. 2—SUPERSTRUCTURES.
(Superstructures above filter units and Pump Pit—not including lighting or heating.)

ITEM NO. 3—ALL MECHANICAL FILTER EQUIPMENT.
All mechanical filter equipment for 4—1 m.g.d. units as specified completely installed and tested.

ITEM NO. 4—PUMPS AND MOTORS.
2—3 m.g.d. motor driven centrifugal pumps with one equipped with a 2 m.g.d. rotor and 2—7.5 m.g.d. pumps, the one equipped with a 6 m.g.d. rotor, as per specifications under this item.

ITEM NO. 5—ELECTRICAL WORK.
All electrical wiring, switchboard and other equipment not including motors, exciters and starters.

ITEM NO. 6—INTERIOR PIPING.
All piping within pump plant and within two feet outside pump plant as completely detailed.

ITEM NO. 7—OUTSIDE PIPING.
All outside piping and supply line.

ITEM NO. 8—STANDPIPE AND STANDPIPE FOUNDATION.

Any intending Bidder will be required to indicate to the satisfaction of the Engineers, or upon appeal to the satisfaction of the City Council, that they have had experience in building work of this class, and to show their financial ability and give references as to past experience. Any Contractors inexperienced in the building of mechanical filtration plants or the structural work incidental thereto need not apply.

The work will be advertised under eight items, but the Contract may be let as one Contract, or divided among the eight parts, depending upon the bids received.

Each Bidder will be required to furnish a Banker's Certificate in the amount of ten per cent (10%) of the total amount of the bid, guaranteeing that he will enter into the Contract precisely as originally prepared, provided said Contract is awarded him.

The Contractor to whom the Contract will be awarded will be required to furnish a satisfactory Bond on a satisfactory Bonding Company, in the amount of one hundred per cent (100%) of the total bid, said Bond to guarantee the faithful performance of the Contract in all respects and the completion of said Contract within the time specified or any extension which might be granted thereto.

Plans, Specifications and Bidding Blanks may be received from the Engineers, Hudson & Myron, 808 Wabash Building, Pittsburgh, Pa., upon proper application, and a deposit of 20.00 may be required of any Bidder, subject to the presentation and return of said Plans, Specifications, etc.

OFFICIAL PROPOSALS

In case a Contractor receiving Plans does not offer a bid and returns the Plans in good condition, then $10.00 of the $20.00 will be refunded to him, the other $10.00 being retained to cover the cost of excessive sets of Plans. In case any Contractor, however, receiving Plans and data submitting a bid, and in case all data, with Plans, is returned to the office in good condition, then said Contract will be refunded the entire amount of $20.00. In case any Contractor receiving Plans and data and not returning the same within two (2) weeks' time after the opening of bids, then said Contractor will forfeit the entire amount of the deposit of $20.00.

The City Council reserves the right to reject any part of the total parts of any or all bids received.

GEORGE H. LYSLE, Mayor.
A. J. RICHARDS,
Supt. Dep't. Public Safety.
HUDSON & MYRON, Engineers,
808 Wabash Building,
Pittsburgh, Pa.

Bids: Jan. 28.

Furnishing Cast-Iron and Terra Cotta Pipe

WASHINGTON SUBURBAN
SANITARY DISTRICT
CONTRACTS 39-W, 40-W, 41-S

Washington, D. C.

Sealed proposals for the contracts named below will be received at the office of the Washington Suburban Sanitary Commission, Evans Bldg., New York Ave., Washington, D. C., until 3 p.m., Monday, January 28, 1924, at which time and place they will be publicly opened and read.

Contract 39-W—Furnishing 89,000', 6" to 12" C.N. pipe.
Contract 40-W—Furnishing 14,000', 16" and 24" C.I. pipe and 100 tons special castings.
Contract 41-S—Furnishing 82,000', 6" to 24" T.C. pipe.

Specifications obtainable from Robert E. Morse, Chief Engineer of District, Hyattsville, Md.

T. HOWARD DUCKETT,
EMORY H. BOGLEY,
J. BOND SMITH,
Commissioners.

Bids: Feb. 14.

Unloading-Tower on Wharf

New Orleans, La.

Sealed proposals will be received by the Board of Commissioners of the Port of New Orleans, at their office, Suite 200, New Orleans Court Building, until Thursday, February 14, 1924, at 3:00 p.m., and then publicly opened for an unloading tower on the wharf of the Board's Coal Handling Plant.

A deposit of $1000 in cash or certified check is required with each proposal.

A bond to the amount of 50% of the sum bid is required with notarial contract.

Specifications and proposal forms are on file in the office of the Supervisor of Purchases at No. 1 Canal Street, New Orleans, Louisiana. Complete sets will be furnished to prospective bidders on deposit of $10, which will be refunded to depositors who submit proposals or return sets in good condition.

The right is reserved to reject any or all bids and to waive informalities.

J. H. WALSH, General Manager.